

**Parts  
Manual**

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**MODEL  
3500 MARK II**



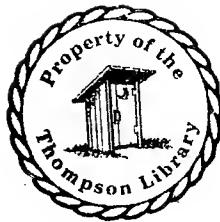
**ALLIS-CHALMERS**

**ENGINE DIVISION  
HARVEY, ILLINOIS 60426, USA**

Printed in USA

Form: TPL-4108

973 0014 (8-74)



IN ORDER TO ASSURE PROMPT AND ACCURATE  
ATTENTION TO YOUR PARTS ORDER, BE SURE  
TO SUPPLY THE NUMBER 7 IN FRONT OF THE  
SEVEN DIGIT PART NUMBER WHEN ORDERING.

EXAMPLES:

NUMBER LISTED IN MANUAL	ORDER NUMBER
0910287	70910287
4393527	74393527

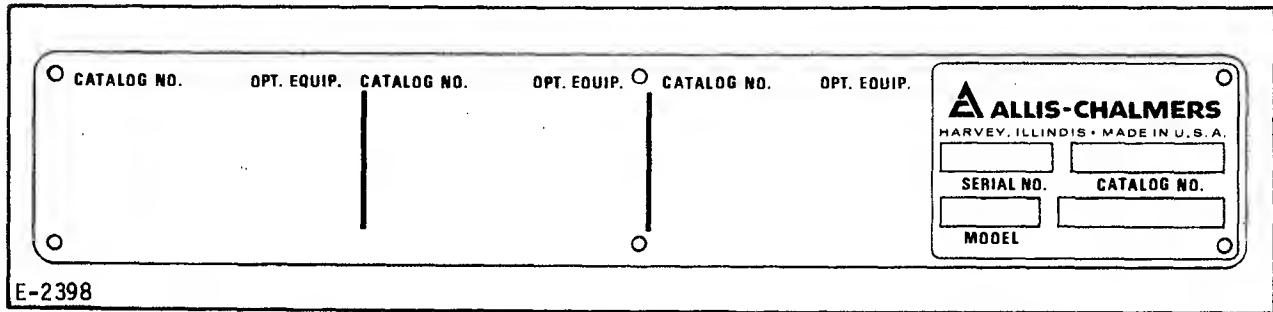
## FOREWORD

This Parts Manual contains parts information on the unit or units specified on the cover.

The Basic Engine Indexs are provided as means of identifying and locating parts pertaining to the basic engine only.

The Optional Equipment Index is provided as a means of identifying parts and accessories installed on the unit at the factory. Some optional equipment may be substituted for basic engine equipment or added to the basic engine.

The Engine Serial Number and Optional Equipment Catalog Number applying to each engine are stamped on the Engine and Optional Equipment Plate located on the left-hand side of the engine. See following illustration.



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Optional equipment parts are found by identifying the Optional Equipment Catalog Number in the nomenclature heading and/or immediately following the description of a part.

Reference Numbers (Ref.) above the text title block are to be disregarded unless the numbers are stamped on the Engine and Optional Equipment Plate or some other data refers the user to the reference number.

Attaching parts, such as capscrews, nuts, etc., are indented immediately following the parts which they attached or are attached to.

The terms "right" and "left" used in the parts list are determined by standing at flywheel end of engine and facing the flywheel.

Always give Engine Serial Number when ordering parts. To obtain shipment promptly give part number and part nomenclature. Order parts from the dealer covering the local territory.

Always indicate complete address where parts are to be shipped and specify by what means material is to be shipped. Confirm all telephone or telegraph orders in writing.

Claims for shortages or errors in shipment must be made immediately upon receipt of shipment. Claims for damages in shipment must be filed with the transportation company. No responsibility is assumed for delay or damage to merchandise while in transit.

At the time this parts catalog was published the listed part numbers were current. It is our policy to constantly improve our products and therefore, part numbers and design may change. When ordering parts, verify part numbers through your dealer's parts catalog.

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(For Only Those Items Appearing in the Basic Section)

NOTE: Optional groups are selective subject to machinery price book control and are additions, omissions, and substitutions to basic equipment.

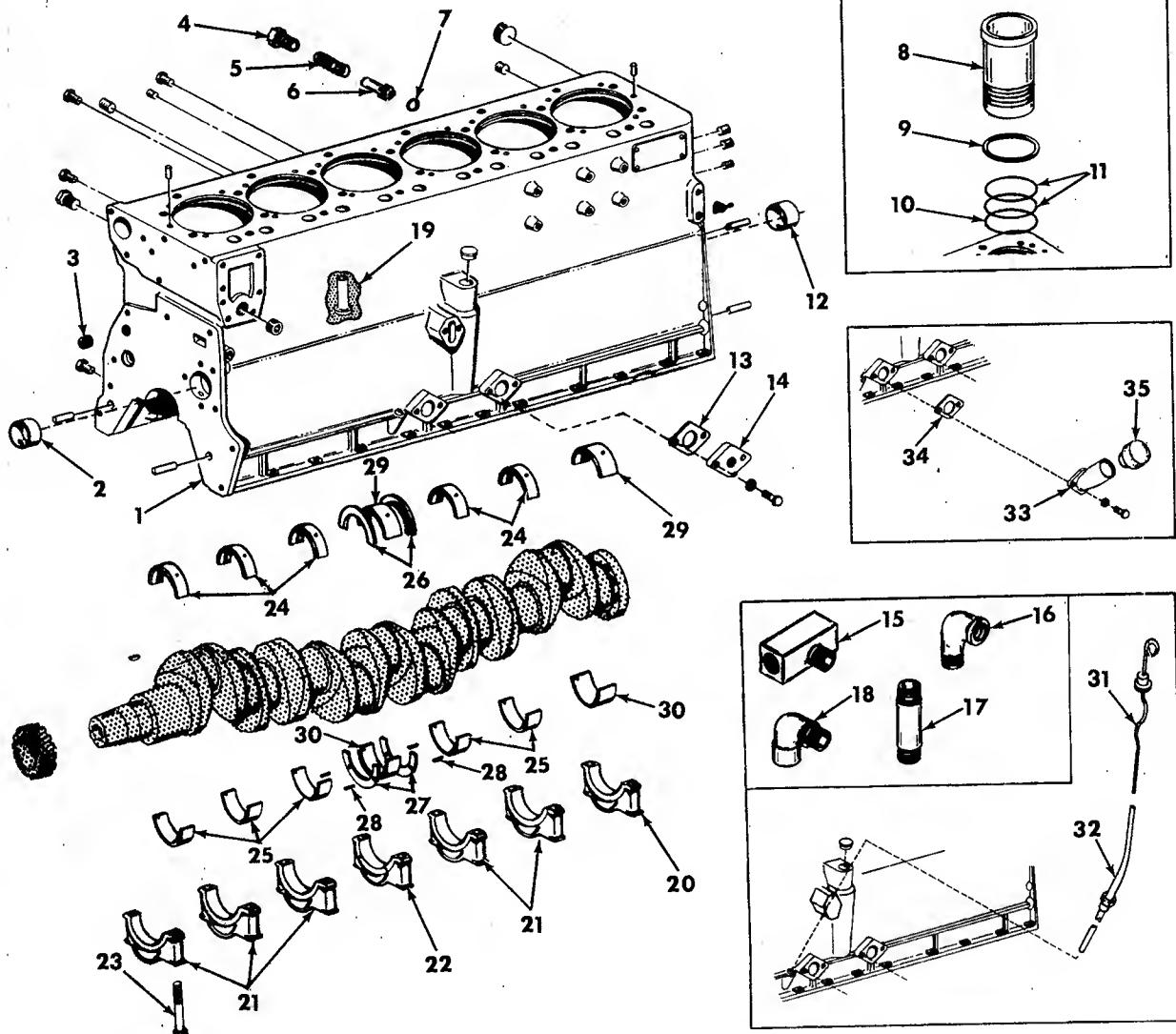
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ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4028834	1	BLOCK ASSY., CYLINDER (INCLUDES PLUGS AND ITEMS 2, 3, 7, 12, AND 20 THRU 23)	
	0917542	2	PIN, DOWEL, 7/16 X 3/4 (TOP DECK)	
	4255982	1	PLUG, 3/8 LEVEL SEAL (AIR-COMP PAD)	
	0918851	1	PLUG, PIPE 3/4 NPT	
	0919134	6	PLUG, PIPE, 1/8 NPT	
	0920525	3	PLUG, PIPE, 1/4 NPTF	
	0917536	2	PIN, DOWEL, 1/2 X 1-3/8 (FRONT)	
	0921023	2	PIN, DOWEL, 1/2 X 7/8 (REAR)	
	4027355	1	PLUG, DISTRIBUTOR HOLE	
	4255577	1	PLUG, PIPE, CIL GALLERY 3/4	
	4255109	1	PLUG, EXPANSION	
	0912415	3	PLUG, AUTOMOTIVE DRAIN 1/4 DRYSEAL	
1	0912415	1	CCCC, DRAIN, 1/4 NPT (ORDER SEPERATELY)	
2	4025025	1	BEARING, CAMSHAFT, FRONT (STD)	
2	4025259	1	BEARING, CAMSHAFT, FRONT .010 UNDERSIZE	
3	4029063	1	PLUG, PIPE, RESTRICTOR	
4	4022129	1	SCREW, OIL PRES. REG. VALVE	
5	4500231	1	SPRING, CIL PRES. REG. VALVE	
6	4507374	1	PISTON, CIL PRES. REG. VALVE	
7	4507673	1	INSERT, CIL PRES. REG. VALVE	
8	4028879	6	SLEEVE, CYL (3 C-RING TYPE) 4029284-9 4029423-3	
9	4025298	-	SHIM, CYLINDER SLEEVE (.005)*	
9	4025299	-	SHIM, CYLINDER SLEEVE (.010)*	
9	4025300	-	SHIM, CYLINDER SLEEVE (.015)*	
9	4025301	-	SHIM, CYLINDER SLEEVE (.020)*	

NOTE- \*USE AS REQUIRED TO RESTORE SPECIFIED TOP DECK CLEARANCE.

10	4025015	6	O-RING, CYLINDER SLEEVE (BOTTOM GROOVE) RED	
11	4028875	12	O-RING, CYL SLEEVE (MIDDLE & TOP) BLACK	
12	4025238	5	BEARING, CAMSHAFT (INT. & REAR) (STD.)	
12	4025258	5	BEARING, CAMSHAFT (INT. & REAR) .010 UNDERSIZE	
13	4025021	1	GASKET, CIL FILLER PLATE.....4029573-5	
14	4026382	1	PLATE, OIL FILLER HOLE	
	0916269	2	CAPSCREW, 3/8 NC X 7/8	
	0910287	2	LOCKWASHER, 3/8	
15	0928599	1	TEE, 1/8 (OIL GALLERY TO F I PUMP AND AIR-COMPRESSOR SUPPLY)	
16	0907059	1	ELBOW, PIPE 1/8 (IN LIEU OF TEE (OIL GALLERY TO F I PUMP)	
17	0901469	1	NIPPLE (FOR USE W/ITEM 15 OR 16)	

REF-4027468,4027663,4028878,4028914,4028915 (CONTINUED)  
CYLINDER BLOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
18	0923692	1	ELBOW, IMP. FLEX. (FOR USE W/ITEM 17)	
19	4026699	12	LIFTER, VALVE	
20	4025247	1	CAP, REAR MAIN BEARING*	
21	4028086	5	CAP, INTERMEDIATE & FRONT MAIN BRG*	
22	4027637	1	CAP, CENTER MAIN BEARING*	
23	4025062	14	CAPSCREW, MAIN BRG. CAPS (5/8 NC X 4 1/4 SPEC)	

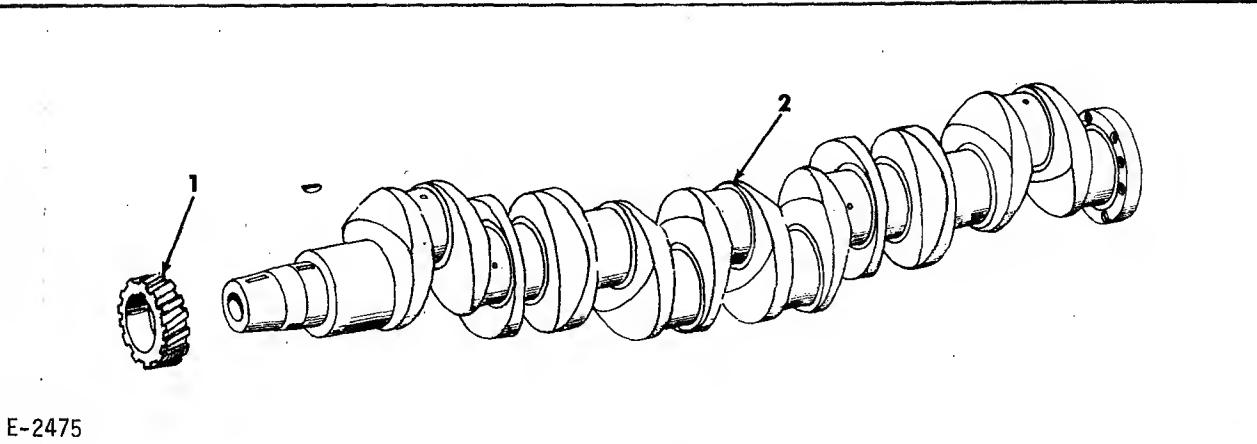
NOTE- \* REPLACEMENT BEARING CAPS ARE SEMI-FINISHED AND  
MUST BE LINE-BORED AFTER INSTALLING.

24	4028020	5	BEARING, FRONT & INT., UPPER (STD.)	
24	4028040	5	BEARING, FRONT & INT., UPPER .010	
24	4028041	5	BEARING, FRONT & INT., UPPER .020	
24	4028043	5	BEARING, FRONT & INT., UPPER .040	
25	4025007	5	BEARING, FRONT & INT., LOWER (STD)	
25	4025267	5	BEARING, FRONT & INT., LOWER .010	
25	4025268	5	BEARING, FRONT & INT., LOWER .020	
25	4025270	5	BEARING, FRONT & INT., LOWER .040	
26	4025010	2	FLANGE, THRUST, UPPER (STD.)	
26	4025263	2	FLANGE, THRUST, UPPER .005	
26	4025264	2	FLANGE, THRUST, UPPER .010	
26	4025265	2	FLANGE, THRUST, UPPER .015	
27	4025011	2	FLANGE, THRUST, LOWER STD.)	
27	4025260	2	FLANGE, THRUST, LOWER .005	
27	4025261	2	FLANGE, THRUST, LOWER .010	
27	4025262	2	FLANGE, THRUST, LOWER .015	
28	4251746	4	PIN, GROOVE, THRUST FLANGE	
28	4028021	2	BEARING, CENTER REAR, UPPER (STD.)	
29	4028045	2	BEARING, CENTER REAR, UPPER .010	
29	4028046	2	BEARING, CENTER REAR, UPPER .020	
29	4028048	2	BEARING, CENTER, UPPER .040	
30	4025009	2	BEARING, CENTER REAR, LOWER (STD.)	
30	4025277	2	BEARING, CENTER REAR, LOWER .010	
30	4025278	2	BEARING, CENTER REAR, LOWER .020	

NOTE- REFER TO PACKAGE PARTS FOR BEARING KITS

REF-4027468,4027663,4C28878,4028914,4C28915 (CONTINUED)  
CYLINDER BLOCK

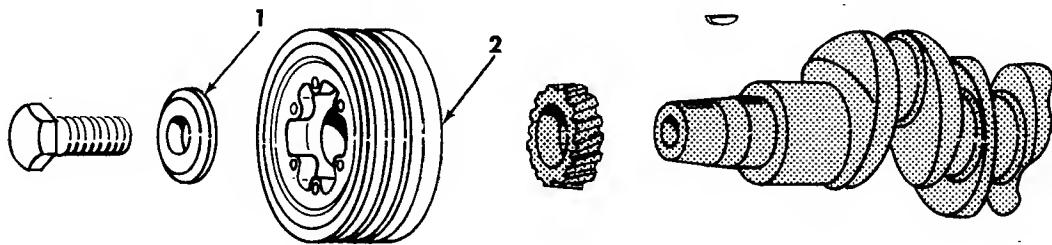
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
30	4025280	2	BEARING, CENTER REAR, LOWER .040	
31	4027547	1	GAUGE, OIL LEVEL	
32	4027548	1	ADAPTOR ASSY., OIL LEVEL GAUGE	
33	4027454	1	ELBOW, OIL FILLER	
	0916272	2	CAPSCREW, 3/8 NC X 1-1/4	
	0910287	2	LOCKWASHER, 3/8	
	0913544	2	WASHER, PLAIN, 3/8	
34	4025021	1	GASKET.....	4029573-5
35	4021711	1	CAP, OIL FILLER	



E-2475

REF-4029037  
CRANKSHAFT

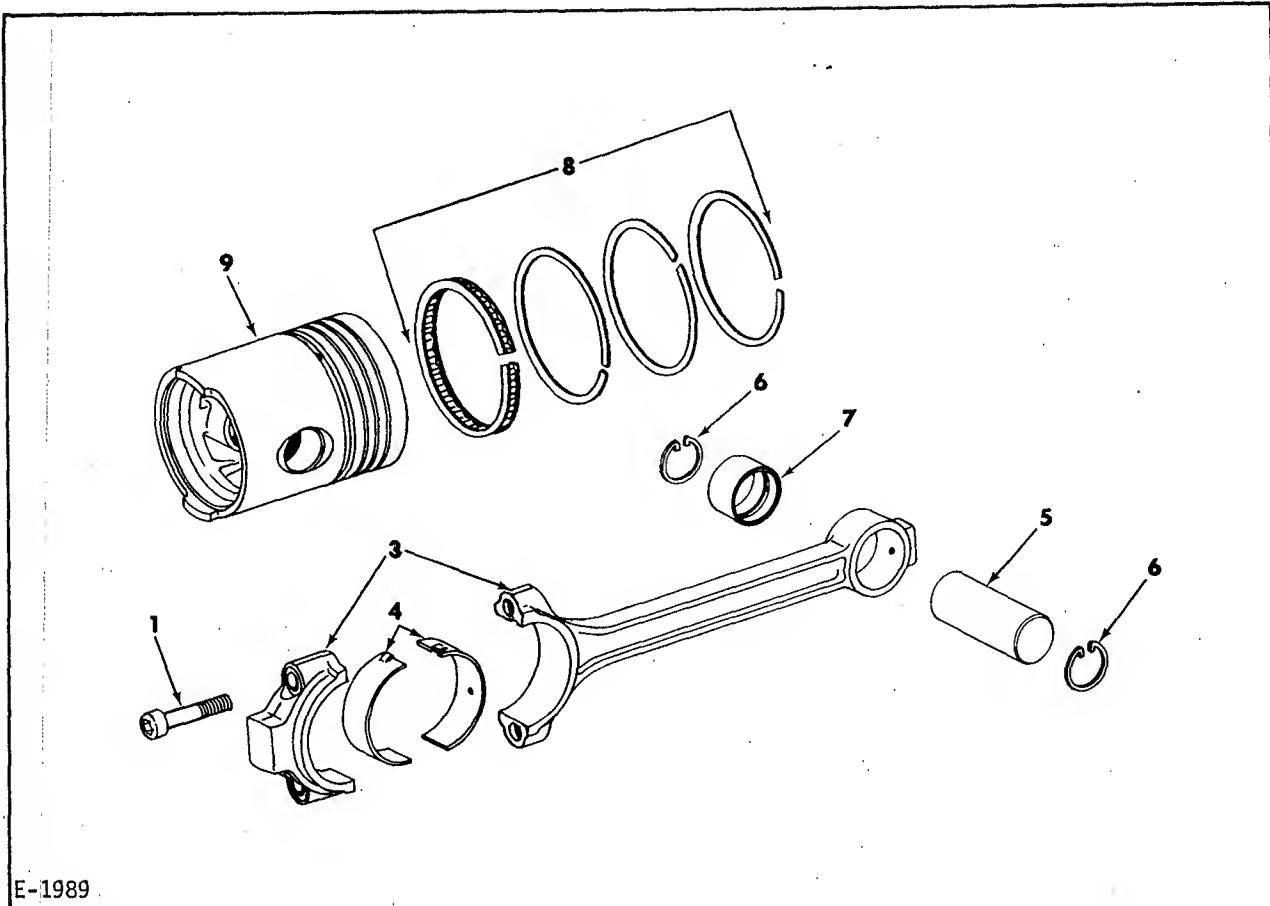
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4025041 0905845	1	GEAR, CRANKSHAFT KEY, WOODRUFF, 1/4 X 7/8	
2	4028608	1	CRANKSHAFT (INSTRUCTION SHEET 4029036 SHIPPED WITH UNIT)	



E-2171

REF-4028539, 4028625, 4029435  
CRANKSHAFT PULLEY

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4025115 0918297	1 1	WASHER, PULLEY CAPSCREW, 1 NF X 2	
2	4028443 0905845	1 1	PULLEY & DAMPER, (4 GROOVE)* *FOR ENGINE (402888C) (4028881) KEY, WOODRUFF, 1/4 X 7/8	
2	4028684 0905845	1 1	PULLEY & DAMPER (3 GROOVE) * * FOR ENGINE (4028883) KEY, WOODRUFF, 1/4 X 7/8	
2	4028472 0905845	1 1	PULLEY & DAMPER (3 GROOVE)* *FOR ENGINES (4028884) KEY, WOODRUFF 1/4 X 7/8	



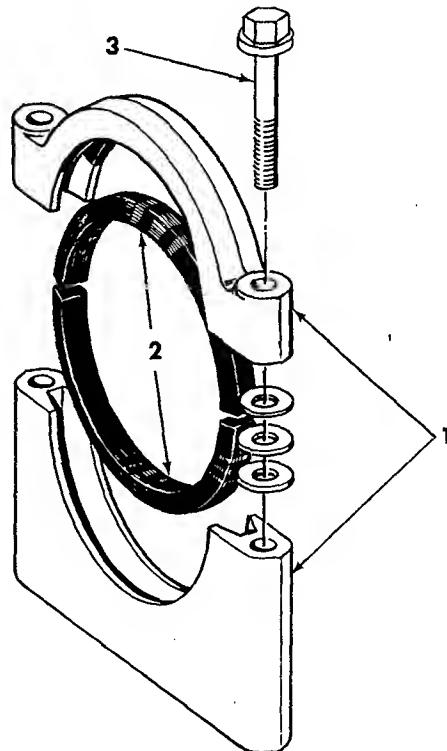
E-1989

REF-4026979, 4029139  
PISTON AND CONNECTING ROD

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4027334	12	CAPSCREW, CONNECTING ROD	
3	4027332	6	ROD ASSY., (INCLUDES ITEMS 1 AND 7)	
4	4025030	12	BEARING, CONNECTING ROD (STD.)	
4	4025253	12	BEARING, CONNECTING ROD .002 U.S.	
4	4025254	12	BEARING, CONNECTING ROD .010 U.S.	
4	4025255	12	BEARING, CONNECTING ROD .020 U.S.	
4	4025257	12	BEARING, CONNECTING ROD .040 U.S.	
5	4026505	6	PIN, PISTON.....	4029284-9, 4029423-3
6	4254608	12	RETAINER, PISTON PIN.....	4029284-9, 4029423-3
7	4025031	6	BUSHING, CONNECTING ROD	
8	4028036	6	RING SET, PISTON.....	4029284-9, 4029423-3
9	4028023	6	PISTON (3500 ENGINE).....	4029284-9
9	4029137	6	PISTON (3400 ENGINE).....	4029423-3

NOTE- REFER TO PACKAGE PARTS FOR BEARING KITS

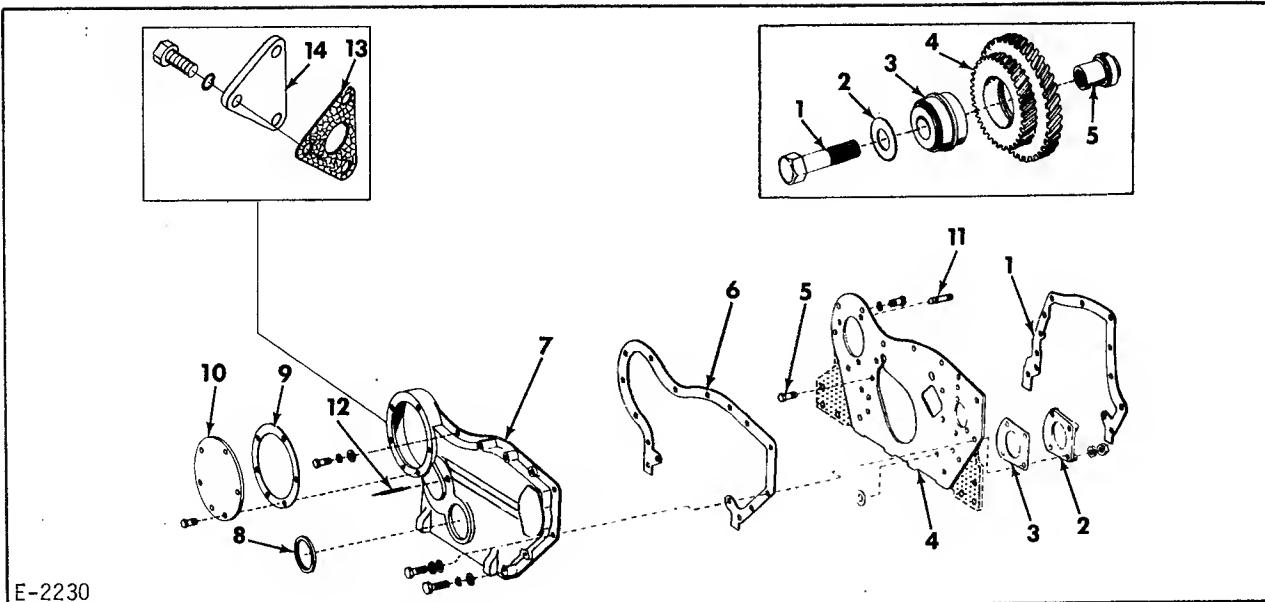
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E-2148

TRUNNION, FRONT SUPPORT  
(4028695)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4028672 0916009	10	BRACKET WASHER, PLAIN, 17/32 (F/SHIMMING) (USE AS REQUIRED)	
2	4336491	2	LINER, BRACKET	
3	0924694	2	CAPSCREW, 1/2 NC X 3	



REF-4028175, 4028892, 4029345  
TIMING GEAR HOUSING

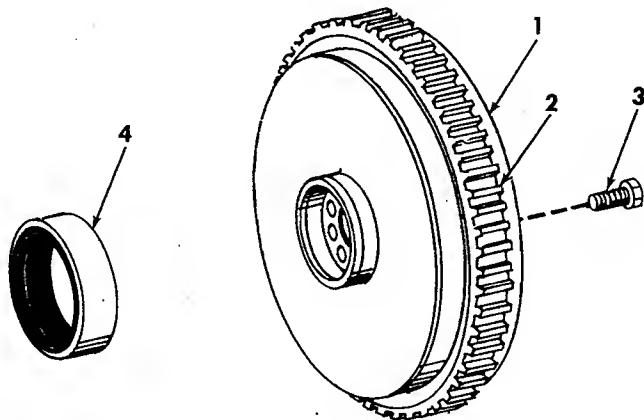
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4027752	1	GASKET, PLATE TO BLOCK.....	4029573-5
2	4027735	1	COVER, HYDRAULIC PUMP	
	0916383	2	CAPSCREW, 3/8 NF X 1-7/8	
	0913544	2	WASHER (ENGINES 4028880 & 4028881)	
	0910287	4	LOCKWASHER, 3/8	
	0910123	4	NUT, 3/8 NF	
3	4025343	1	GASKET, COVER .....	4029573-5
4	4027303	1	PLATE ASSY., WITH SUPPORT EXTENTION* INCLUDES 5 OF ITEM 11 * ON ENGINE (4028884)	
4	4029362	1	PLATE ASSY., W/O SUPPORT EXTENSION INCLUDES 2 OF ITEM 11 * ON ENGINE (4028883)	
4	4028890	1	PLATE ASSY, WITH SUPPORT EXTENSION INCLUDES 2 OF ITEM 11 * ON ENGINES (4028880) (4028881)	
	0916271	3	CAPSCREW 3/8 AC X 1	
	0919224	3	CAPSCREW 3/8 NC X 1 1/8	
	0910287	6	LOCKWASHER	
5	0915408	2	CAPSCREW 3/8 NC X 3/4 *	
5	0916271	1	CAPSCREW 3/8 NC X 1 *	
5	4254873	1	WASHER, DYNASEAL *USE WITH PLATE ASSY (4029362)	
5	4254905	2	BOLT, LOCKING 3/8 NC X 3/4 *	
5	4254902	1	BOLT, LOCKING 3/8 NC X 1 *	
5	4254873	1	WASHER, DYNASEAL * *USE WITH PLATE ASSY (4027303, 4028890)	
6	4027751	1	GASKET, COVER TO PLATE.....	4029573-5

REF-4028175, 4028892, 4029345 (CONTINUED)  
TIMING GEAR HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
7	4029402	1	COVER, TIMING GEAR HOUSING ENGINE 4028883	
7	4029575	1	COVER, TIMING GEAR HOUSING (WHEN REPLACING 4027143 OR 4028861 ORDER ITEMS 13 AND 14 ENGINE 4028880, 4028881, 4028884	
	0916271	4	CAPSCREW, 3/8 NC X 1	
	0914847	1	CAPSCREW, 3/8 NC X 1-1/2	
	0912069	2	CAPSCREW, 3/8 NC X 2-1/2	
	0919015	2	CAPSCREW, 3/8 NC X 3-1/2	
	0913544	5	WASHER, PLAIN, SAE STD., 3/8 (NOT USED ON ENGINE 4028883)	
	0910287	8	LOCKWASHER, 3/8	
8	4028922	1	SEAL KIT, FRONT, OIL, CRANKSHAFT INCL. OIL SEAL 4028862 WITH INSTRUCTIONS	
9	4026548	1	GASKET, INSPECTION PLATE.....4029573-5	
10	4025077	1	COVER, INSPECTION	
	0920539	6	CAPSCREW, 3/8 NC X 1 (NYLOCK)	
11	4026460	1	STUD, FRONT PLATE (AS REQUIRED)	
12	4028742	1	PIN, TIMING (FOR COVER 4029402)	
13	4029053	1	GASKET	
14	4028733	1	COVER, INSPECTION PLATE	
	0916271	3	CAPSCREW, 3/8 NC X 1	
	0910287	3	LOCKWASHER	

NOTE- IDLER GEAR ASSEMBLY VIEW B

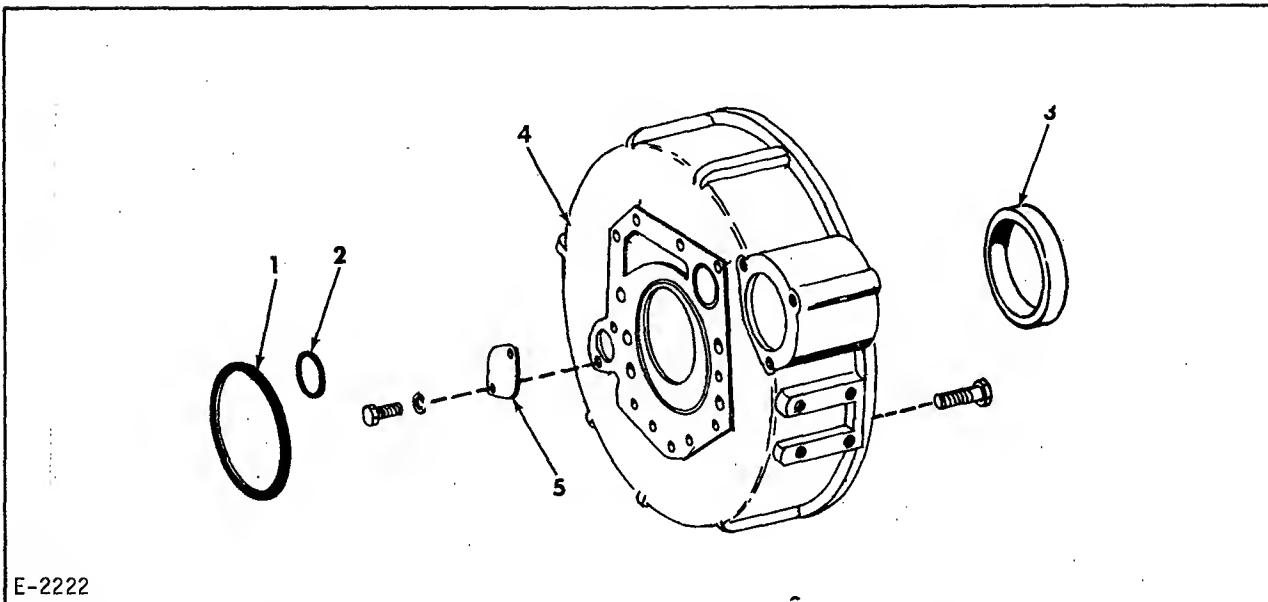
1	0921539	1	CAPSCREW, RETAINING 1/2 NC X 3-1/2
2	4025461	1	WASHER
3	4025082	1	BEARING ASSY., IDLER GEAR
4	4027769	1	GEAR, IDLER AND FUEL PUMP DRIVE
5	4020102	1	SHAFT, IDLER GEAR



E-2223

REF-4025406, 4027496  
FLYWHEEL

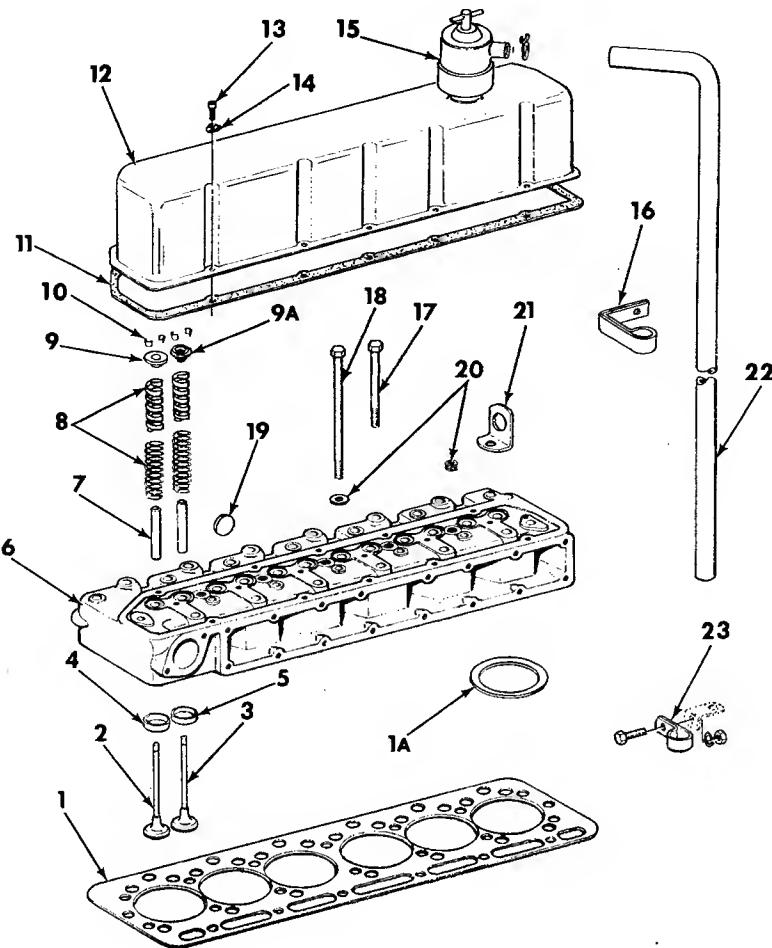
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4026062	1	FLYWHEEL ASSY., (INCL. RING GR) (USE W/SAE #2 HOUSING, BENDIX DRIVE AND ROCKFORD 14 RT OR LIPE-ROLLAWAY 14 DPB FLAT TYPE CLUTCH) * FOR ENGINE 4028883	
1	4028567	1	FLYWHEEL ASSY., (INCL. RING GR) (USE W/SAE #2 HOUSING, BENDIX DRIVE AND TWIN DISC SP111 AND 211 CLUTCH) *FOR ENGINES 4028880, 4028881, 4028884,	
2	4304907	1	GEAR, RING	
3	4359805	6	BOLT, FLYWHEEL	
4	4029556	1	SLEEVE KIT, WEAR INCL. SLEEVE 4028992 WITH INSTRUCTIONS	



E-2222

REF-4025407, 4027497  
HOUSING, FLYWHEEL

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4025097	1	O-RING, FLYWHEEL HOUSING (8-1/2 ID)..4029573-5	
2	4020879	1	O-RING, FLYWHEEL HOUSING (2-1/4 ID)..4029573-5	
3	4029502	1	SEAL KIT, REAR OIL INCL. SEAL 4029399 WITH INSTRUCTIONS	
4	4027509 4386090 4372864	1 8 8	HOUSING, FLYWHEEL (SAE #2) BOLT, PLACE WASHER, 17/32 ID (STANDARD ON ENGINE 4028883)	
4	4028289 0916311 0904208 0918851 0919840	1 8 8 1 1	HOUSING, FLYWHEEL (SAE #2) CAPSCREW, 1/2 NC X 1-1/4 LOCKWASHER, 1/2 PLUG, PIPE 3/4 DRYSEAL PLUG, PIPE, 1/4 NPTF STANDARD ON ENGINES 4028880, 4028881 AND 4028884	
5	4025427 0915343 0904204	1 2 2	COVER, PLATE CAPSCREW, 1/4 NC X 5/8 LOCKWASHER, 1/4	



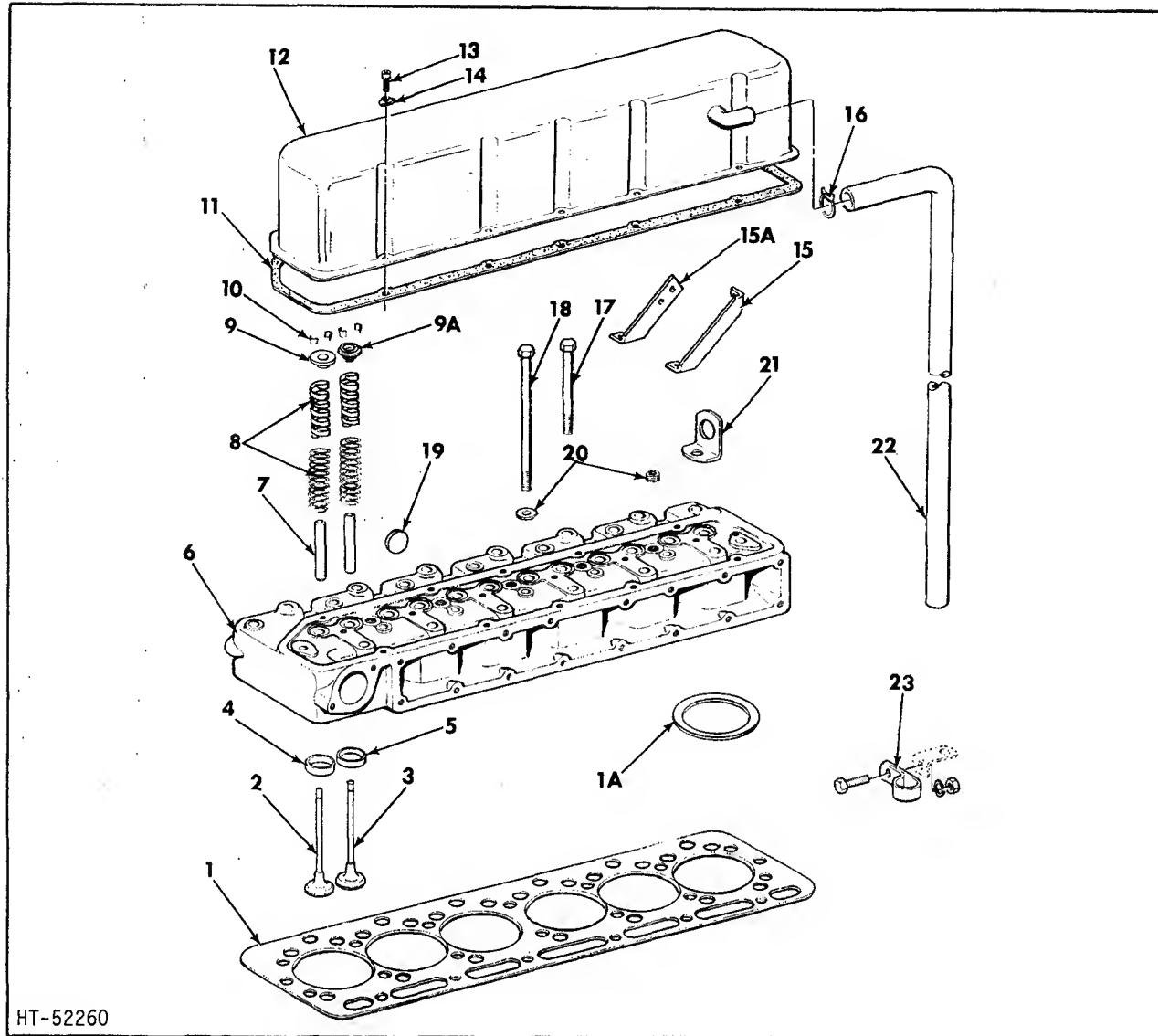
E-2761

REF-4029332  
 CYLINDER HEAD (FIGURE 1)  
 (4028570)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4027598	1	GASKET KIT, CYL. HD. (INCL. ITEM 1A..4029572-7	
1A	4027013	6	RING, FIRE	
2	4028643	6	VALVE, EXHAUST	
3	4029271	6	VALVE, INTAKE	
4	4028642	6	INSERT, EXHAUST VALVE SEAT	
4	4028773	*	INSERT, EXHAUST VALVE SEAT .005 OVERSIZE	
5	4028641	6	INSERT, INTAKE VALVE SEAT	
5	4025186	*	INSERT, INTAKE VALVE SEAT .005 OVERSIZE	
6	4028944	1	HEAD ASSY., CYLINDER (INCL. ITEMS 4, 5, 7, 19&PLUGS INDENTED BELOW)	
	4255577	6	PLUG, PIPE 3/4 CTSK. NPT	
7	4022595	12	GUIDE, INTAKE AND EXHAUST VALVE	
8	4025242	12	SPRING ASSY., VALVE (INCLUDES DAMPER)	
9	4343799	6	RETAINER, VALVE SPRING (EXHAUST)	

REF-4029332 (CONTINUED)  
 CYLINDER HEAD (FIGURE 1)  
 (402857C)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
9A	4028644	6	ROTATOR, INTAKE VALVE	
10	4376497	24	LOCK, HALF, VALVE SPRING RETAINER	
11	4025472	1	GASKET, CYLINDER HEAD COVER.....4029572-7	
12	4027774	1	COVER, CYLINDER HEAD (REAR BREATHER CONN.)	
12	4027914	1	COVER, CYLINDER HEAD (4028570) (CENTER BREATHER CONN.)	
13	4153776	10	CAPSCREW, CYLINDER HEAD COVER	
14	4025491	10	WASHER, COVER CAPSCREW	
15	4027723	1	BREATHER ASSY., CYLINDER HEAD	
16	4028162	1	CLAMP, UPPER	
17	4029256	20	CAPSCREW, CYL. HD.(SHCRT)EFF. WITH S/N 3D16722	
17	4025164	20	CAPSCREW, CYL. HD.(SHCRT)PRIOR TO S/N 3D16722 (REQUIRES USE OF ITEM 20)	
18	4029257	6	CAPSCREW, CYL. HD. (LCNG) EFF. WITH S/N 3D17261	
18	4025166	6	CAPSCREW, CYLINDER HEAD (LCNG) EARLY TYPE (ALSC ATTACHES ROCKER ARM BRACKET)	
19	4255107	5	PLUG, CORE HOLE	
20	4025165	*	WASHER, CYLINDER HEAD CAPSCREW (USE WITH CAPSCREW 4025164 4025166)	
21	4025177	2	EYE, LIFTING	
22	4027775	1	HOSE, BREATHER	
	4254156	1	CLAMP, HOSE UPPER	
23	0925964	1	CLAMP, (LOWER)	
	0915408	1	CAPSCREW, 3/8 NC X 3/4	
	0910287	1	LOCKWASHER, 3/8	
	0910324	1	NUT, 3/8 NC	



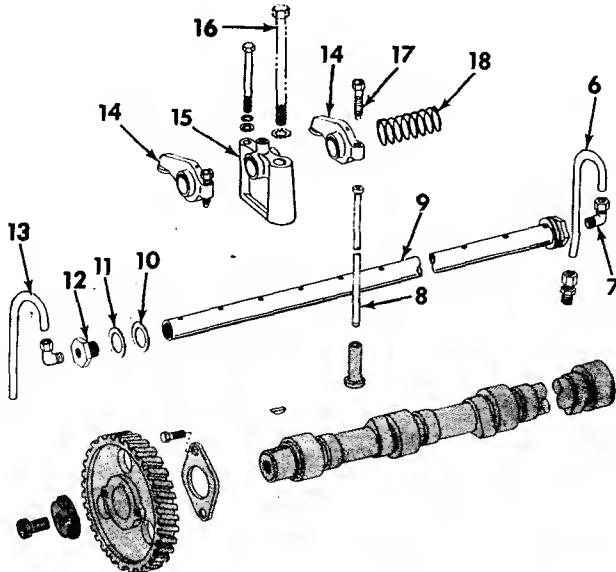
HT-52260

REF-4028910, 4028912, 4029004, 4025947  
CYLINDER HEAD (FIGURE 2)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1A	4027598	1	GASKET ASSY., CYL. HD. (INCL. ITEM 1A)...	4029572
	4027013	6	RING, FIRE	
2	4025182	6	VALVE, EXHAUST (MODEL 3400)	
2	4028643	6	VALVE, EXHAUST (MODEL 3500)	
3	4025179	6	VALVE, INTAKE (MODEL 3400)	
3	4029271	6	VALVE, INTAKE (MODEL 3500)	
4	4025185	6	INSERT, EXHAUST VALVE SEAT (MODEL 3400)	
4	4028642	6	INSERT, EXHAUST VALVESEAT (MODEL 3500)	
4	4025585	*	INSERT, EXHAUST VALVE SEAT .005 O/S MDL 3400	
4	4028773	*	INSERT, EXHAUST VALVE SEAT .005 O/S MDL 3500	
5	4025186	*	INSERT, INTAKE VALVE SEAT (NOT ORIGINAL EQUIP. MODEL 3400 REQ. REMACHINING OF CYL. HD)	

REF-4028910, 4028912, 4029004 (CONTINUED)  
CYLINDER HEAD (FIGURE 2)

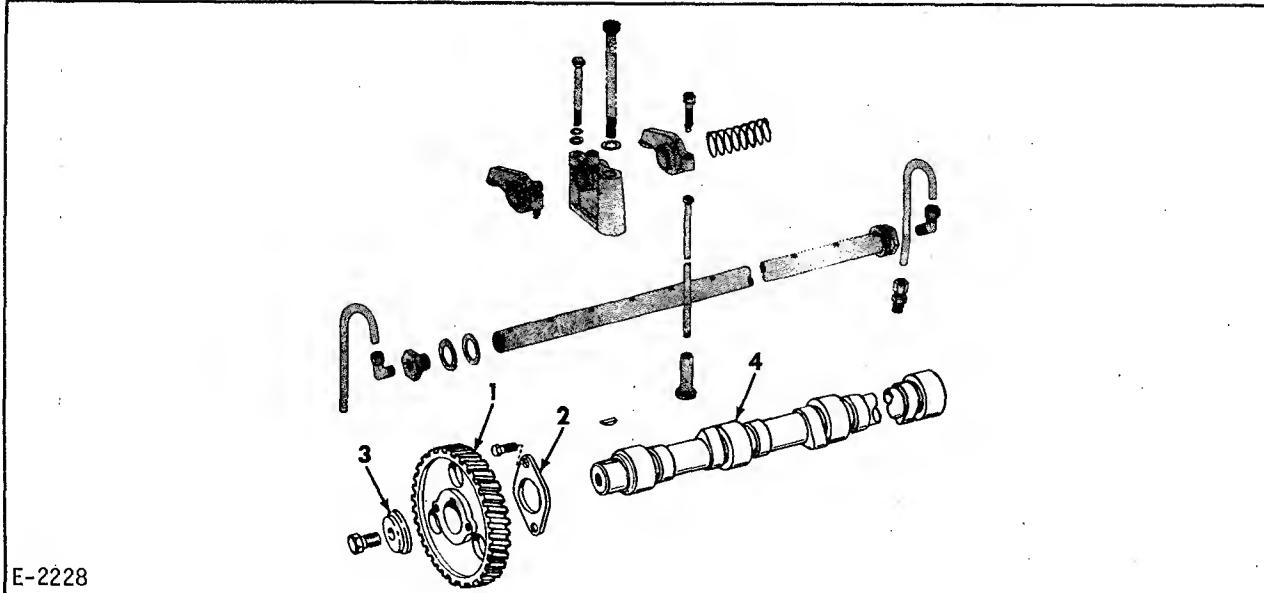
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
5	4028641	6	INSERT, INTAKE DRIG. EQUIP. (MODEL 3500) (USE 4025186 FOR .005 OVERSIZE)	
6	4028944	1	HEAD ASSY., MODEL 35CC INCLUDES 4,5,7,19 AND PLUGS INDENTED BELOW	
6	4027772	1	HEAD ASSY., CYLINDER MODEL 3400-INCLUDES ITEMS 4,5,7,19, AND PLUGS INDENTED BELOW	
	4255577	6	PLUG, PIPE, 3/4 COUNTERSUNK HEX. SCCK.	
7	4022595	12	GUIDE, INTAKE AND EXHAUST VALVE	
8	4025242	12	SPRING ASSY., INTAKE AND EXHAUST VALVE (INCL. DAMPER)	
9	4343799	12	RETAINER, VALVE SPRING(USE 6 ONLY FCR3500 ENG)	
9	4028644	6	ROTATOR, INTAKE VALVE(3500 ENGINE ONLY)	
10	4376497	24	LOCK, HALF, VALVE SPRING RETAINER	
11	4025472	1	GASKET, CYLINDER HEAD COVER .....4029572	
12	4025555	1	COVER, CYLINDER HEAD	
13	4153776	10	CAPSCREW, CYLINDER HEAD COVER	
14	4025491	10	WASHER, COVER CAPSCREW	
15	4029626	1	BRACE, AIR CLEANER - ENGINE 4028881	
15A	4025946	1	BRACE, AIR CLEANER - ENGINE 4028884	
16	4253977	1	CLAMP, HCSE UPPER	
17	4029256	20	CAPSCREW, CYL.HD.(SHCRT)EFF. WITH S/N 3D16722	
17	4025164	20	CAPSCREW, CYL. HD.(SHCRT)PRIOR TO S/N 3D16722	
18	4029257	6	CAPSCREW, CYL. HD. (LCNG) EFF. WITH S/N3D17261	
18	4025166	6	CAPSCREW, CYLINDER HEAD (LCNG) (ALSO ATTACHES ROCKER ARM BRACKET)	
19	4255107	5	PLUG, CORE HOLE	
20	4025165	*	WASHER, CYLINDER HEAD CAPSCREW (FOR USE WITH CAPSCREW 4025164 4025166)	
21	4025177	2	EYE, LIFTING	
22	4029252	1	HOSE, BREATHER, RUBBER	
23	4253739	1	CLAMP, BREATHER TUBE (LOWER)	
	0915408	1	CAPSCREW, 3/8 NC X 3/4	
	0910287	1	LOCKWASHER, 3/8	
	0910324	1	NUT, 3/8 NC	



E-2227

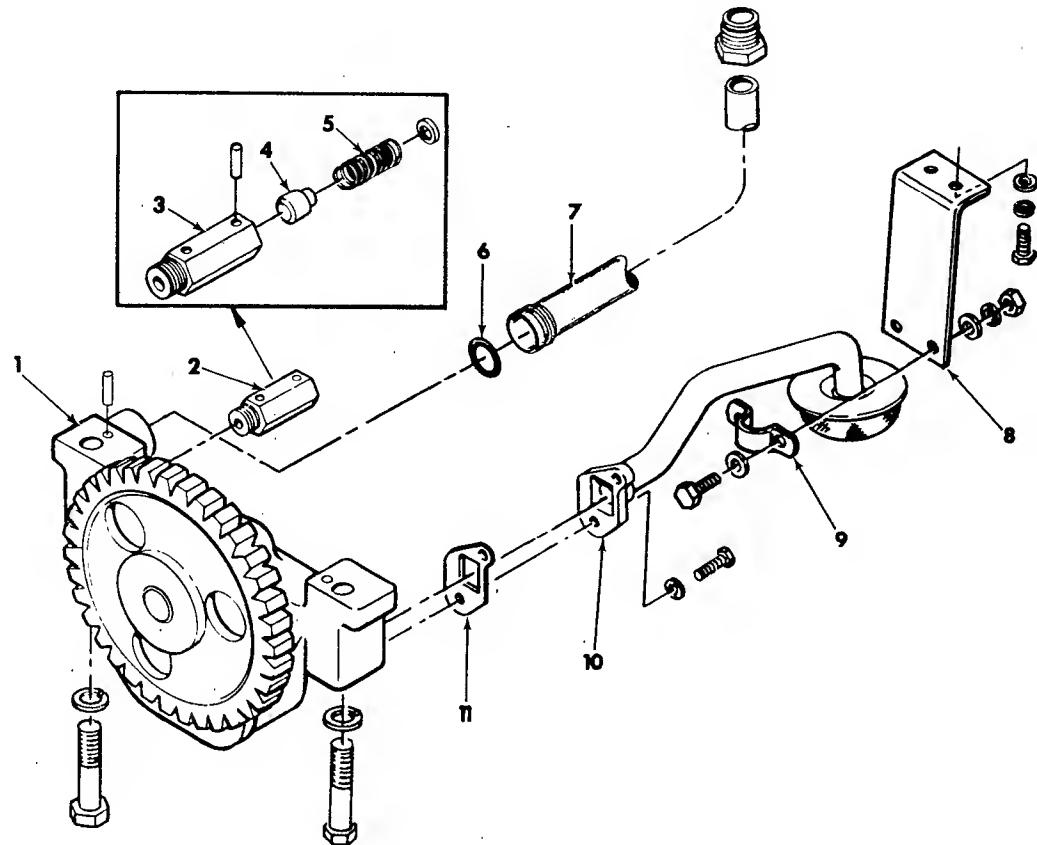
REF-4025157, 4028910, 4028912, 4029004, 4029332  
ROCKER ARMS, SHAFT & BRACKETS

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
NOTE- REFER TO CAMSHAFT FOR ITEMS 1 THRU 4				
NOTE- REFER TO CYLINDER BLOCK FOR ITEM 5				
6	4025175 0912064 0912367 0910376	1 2 2 1	TUBE, OIL FEED NUT, COMPRESSION, 3/16 TUBE SLEEVE, COMPRESSION, 3/16 TUBE CONNECTOR, COMP., 3/16 TUBE, 1/8 NPT	
7	4025237	1	ELBOW, RESTRICTOR, OIL TUBE	
8	4028110	12	ROD, PUSH	
9	4025187 0916271 0910287	1 1 1	SHAFT, ROCKER ARM CAPSCREW, 3/8 NC X 1 LOCKWASHER, 3/8	
10	4025194	2	WASHER, SPACING	
11	4025193	2	WASHER, SPACER (END)	
12	4025192	2	PLUG, ROCKER ARM	
13	4025176 0911437 0911435 0910240	1 2 2 1	TUBE, OIL DRAIN NUT, COMPRESSION, 1/4 TUBE SLEEVE, COMPRESSION, 1/4 TUBE ELBOW, COMPRESSION, 1/4 TUBE 1/8 NPT	
14	4025188	12	ARM ASSY., ROCKER (INCLUDES ITEM 17)	
15	4025189 0916275 0910287 0913544	6 6 6 6	BRACKET, ROCKER ARM CAPSCREW, 3/8 NC X 3-3/4 LOCKWASHER, 3/8 WASHER, PLAIN 13/32	
16	-----	-	CAPSCREW (SEE CYLINDER HEAD)	
17	4513206	12	SCREW, ADJ.	
18	4025191	5	SPRING, SPACER (CENTER)	



REF-4028999  
CAMSHAFT

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4029062	1	GEAR KIT, CAMSHAFT (INCLUDES GEAR 4029001) WITH INSTRUCTIONS	
	4022430	1	KEY, CAMSHAFT GEAR	
2	4021454	1	PLATE, THRUST	
	4254864	1	BOLT, THRUST PLATE	
3	4022339	1	WASHER, CAM GEAR RETAINING	
	0925821	1	CAPSCREW, 7/16 NC X 4	
4	4029000	1	CAMSHAFT	



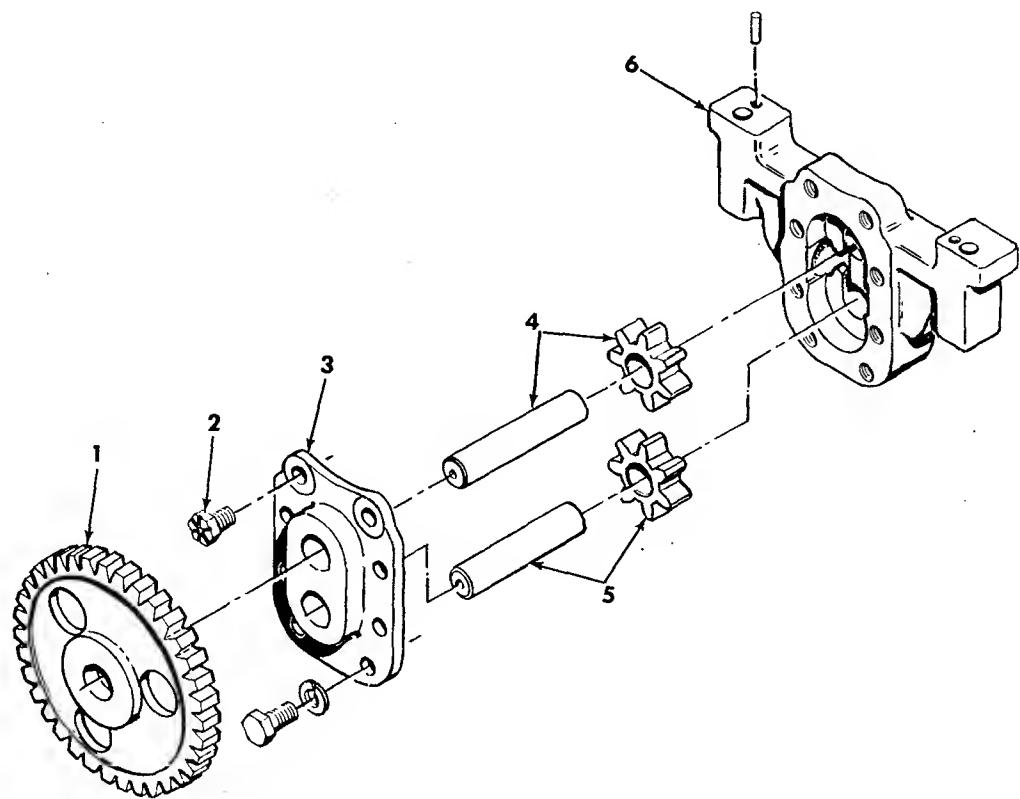
E-2226

REF-4028902  
OIL PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4028052 0916319 0910287 0915987	1 1 2 1	PUMP ASSY., OIL PRESSURE CAPSCREW, 1/2 NC X 3-1/2 LOCKWASHER, 1/2 CAPSCREW, 1/2 NC X 1-1/2	
2	4028887	1	VALVE ASSY., OIL PRESSURE RELIEF INCLUDES 3, 4 AND 5	
3	-----	1	BODY, VALVE	
4	-----	1	PISTON, VALVE	
5	4028888 4359310 0916001	1 1 1	SPRING, VALVE WASHER PIN, ROLL, 3/16 X 1	
6	0928302	1	O-RING, TUBE, DISCHARGE.....	4029473-8
7	4029877 0922377	1 1	TUBE, OIL PRESSURE DISCHARGE INCL. NUT NUT, HI-DUTY	
8	4027960 0915809 0916277 0904205 0924817	1 2 2 4 4	BRACKET CAPSCREW, 5/16 NC X 3/4 CAPSCREW, 5/16 NC X 5/8 LOCKWASHER, 5/16 WASHER, PLAIN, 5/16	

REF-4028902 (CONTINUED)  
OIL PUMP

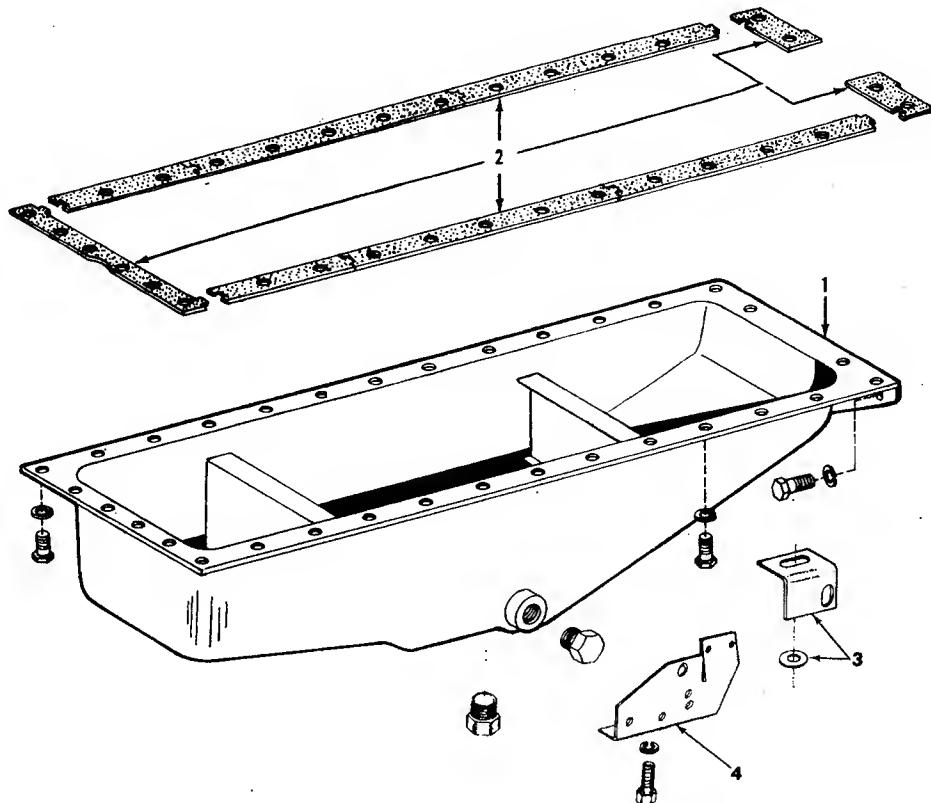
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
9	4027958 0914392 0904205 0910323	1 2 2 2	CLAMP, SUCTION TUBE CAPSCREW, 5/16 NC X 1 LOCKWASHER, 5/16 NUT, 5/16	
10	4028055	1	TUBE ASSY., OIL SUCTION (INCL. SCREEN ASSY.)	
11	4028070	1	GASKET, SUCTION TUBE.....	4029473-8



E-2124

REF-4028902  
OIL PUMP ASSEMBLY- 4028052-1

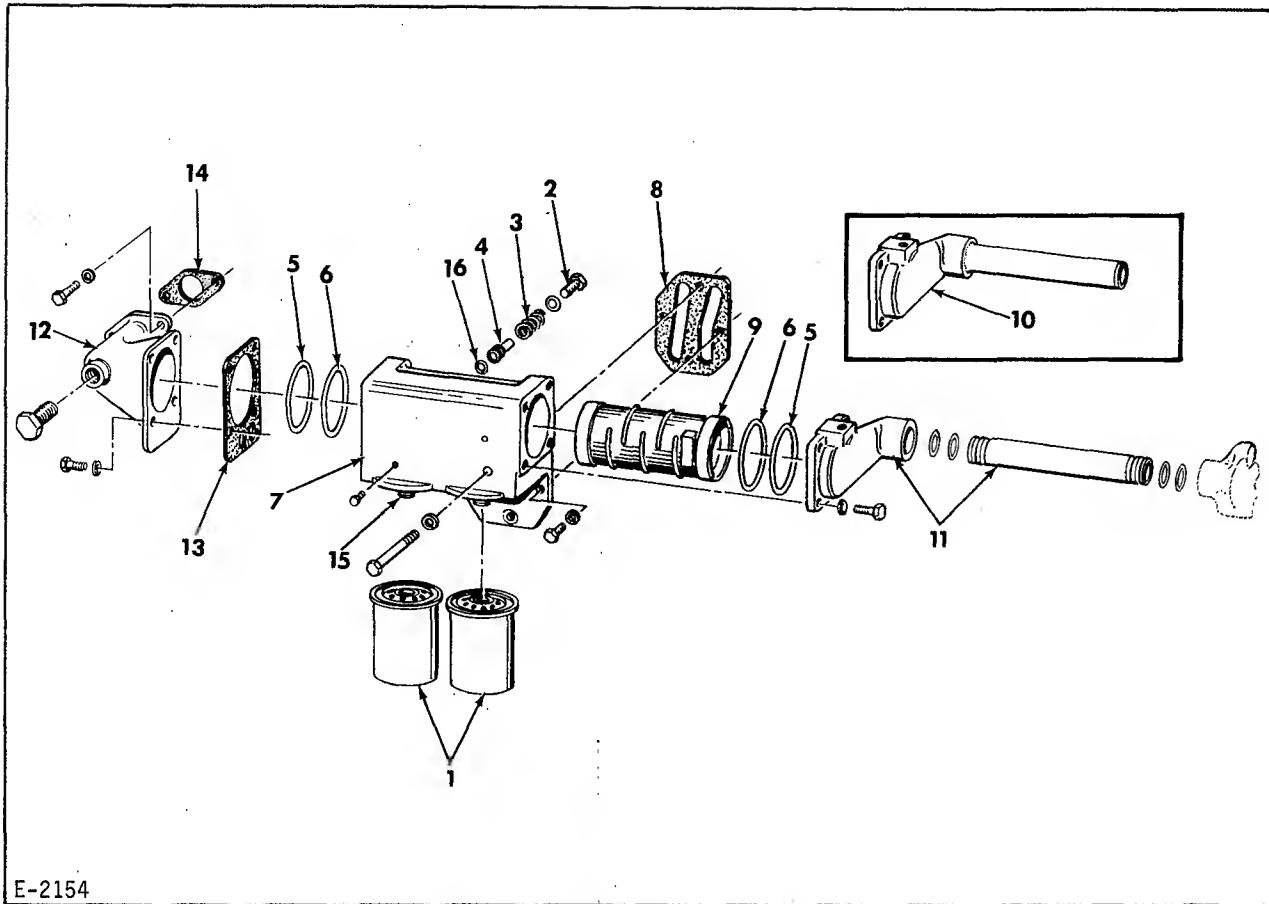
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4026605	1	GEAR, PUMP DRIVE	
2	4254864	2	BOLT, LOCK, COVER	
3	4027583 0914392 0904205	1 6 6	COVER, FRONT CAPSCREW, 5/16 NC X 1 LOCKWASHER, 5/16	
4	4028078	1	SHAFT & GEAR, DRIVER	
5	4028079	1	SHAFT & GEAR, DRIVEN	
6	4028053 0917547	1 2	BODY ASSY., PUMP (INCL. PINS) PIN, DOWEL, 3/8 X 3/4	



E-2229

REF-4028508, 4029424, 4029699  
OIL PAN

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4029422	1	PAN, OIL	
	0916271	7	CAPSCREW, 3/8 NC X 1	
	0915408	5	CAPSCREW, 3/8 NC X 3/4	
	0916269	25	CAPSCREW, 3/8 NC X 7/8	
	0910287	37	LOCKWASHER, 3/8	
	0920525	2	PLUG, PIPE, 3/4 NPTF (OIL DRAIN, SIDE & BOTTOM)	
	0160150	1	PLUG, MAGNETIC DRAIN (4028508) ALSO REPLACES 4027320	
2	4026602	1	GASKET SET, OIL PAN.....	4029473-8
3	4025992	1	BRACKET, BREATHERHOSE FASTENER	
	0911115	1	WASHER, PLAIN	
4	4029587	1	BRACKET, FUEL FILTER* *FOR ENGINE 4028884 WITH DISTRIBUTOR TYPE F. I. PUMP	
	0916272	1	CAPSCREW, 3/8 NC X 1 1/4	



E-2154

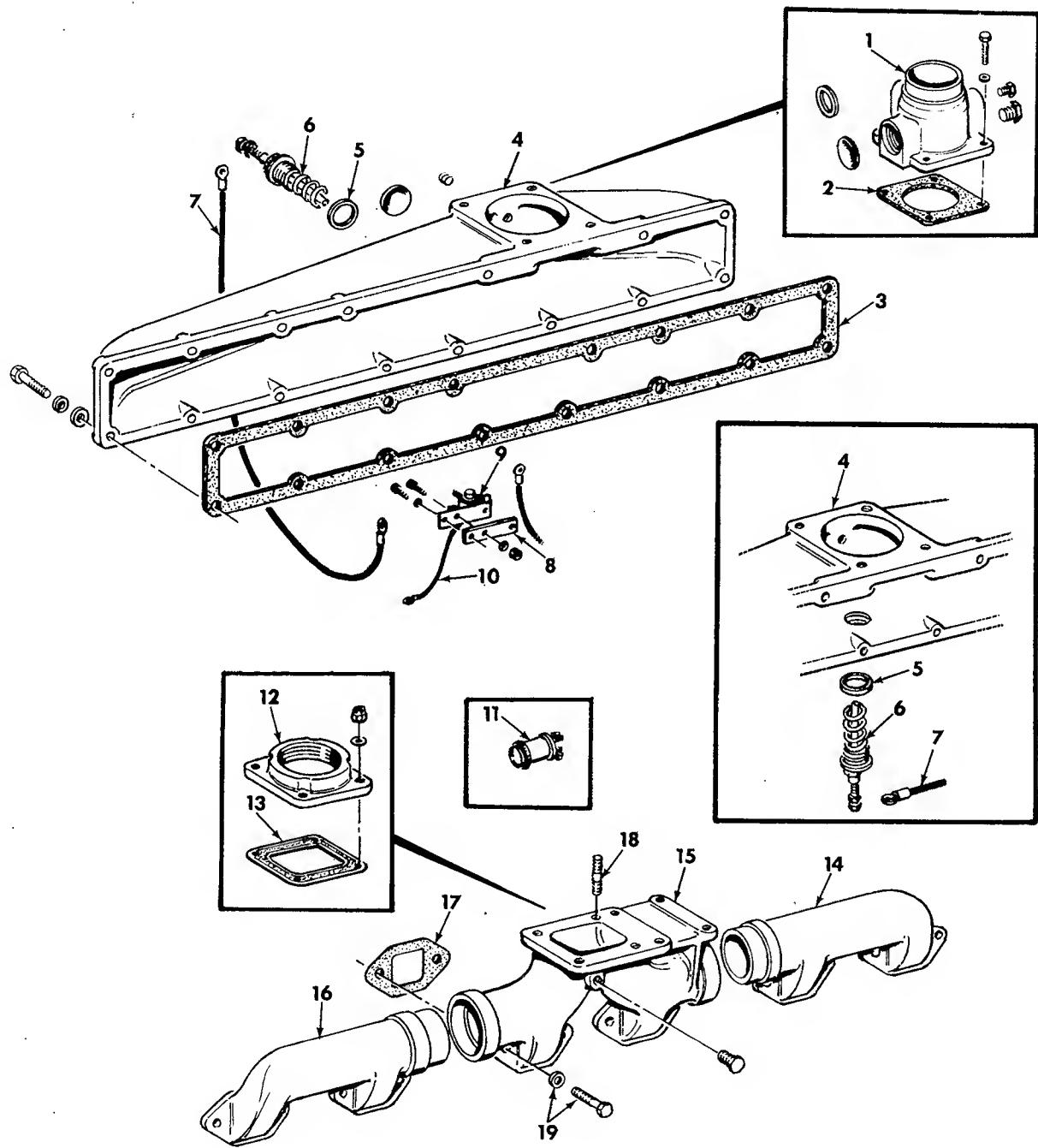
REF. 4028818, 4028819, 4029318, 4029328  
OIL FILTER AND COOLER

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4023548	2	FILTER ENGINE OIL	
2	4028876 0916777	1	CAPSCREW, 3/4 NC X 1-3/8 WASHER, COPPER	
3	4500231	1	SPRING	
4	4507374	1	PLUNGER	
5	0923637	2	O-RING, WATER SIDE (COLOR CODE BLUE-WATER) (ETHYLENE-PROPYLENE).....	4029573-5
6	0928366	2	O-RING, LUBE OIL SIDE ( COLOR CODE YELLOW-OIL) .....	4029573-5
7	4028824 0916191 0904207 0916324 0904208 0919134	1 3 3 1 1 1	HOUSING ASSY., WITH INSERTS ITEMS 15 & 16 CAPSCREW, 7/16 NC X 1-1/2 LOCKWASHER, 7/16 CAPSCREW, 1/2 NC X 6 LOCKWASHER, 1/2 PLUG, PIPE HX. HD. 1/8 NPT	
8	4028820	1	GASKET, MOUNTING, HSG. ASSY.....	4029573-5
9	4028826	1	COOLER, LUBE CIL	
10	4029325 0923621	1 2	TUBE ASY. FOR ENGINES 4028881, 4028884 O-RING	

REF. 4028818, 4028819, 4029318, 4029328 (CONTINUED)  
OIL FILTER AND COOLER

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
11	4028827	1	ADAPTER, WATER INLET FOR ENGINES 4028880, 4028883	
	0916272	4	CAPSCREW, 3/8 NC X 1-1/4 PRIOR TO SN 3D-26001*	
	0910287	4	LOCKWASHER, 3/8	
	0919225	4	CAPSCREW, 3/8 NC X 1 3/8 EFF. WITH SN 3D-26001*	
11	4028059	1	TUBE, WATER INLET FOR ENGINES 4028880, 4028883	
	0923664	4	O-RING, SEALING,.....4029573-5	
12	4028821	1	ELBOW, WTR OUTLET	
13	4028822	1	GASKET, ELBOW TO HSG.....4029573-5	
	0916272	4	CAPSCREW 3/8 NC X 1-104	
	0910287	4	LOCKWASHER 3/8	
	0921073	1	PLUG, PIPE, 1 NPT	
14	4028823	1	GASKET, ELBOW TO BLOCK.....4029573-5	
	0919230	2	CAPSCREW 1/2 NC X 1-3/8	
	0904208	2	LOCKWASHER 1/2	
15	4028829	2	INSERT	
16	4507673	1	INSERT, RELIEF VALVE	

\*1 3/8 CAPSCREW USED WITH ALUMINUM HSG.



E-2759

REF 4028491, 4029113, 4029114, 4029557, 4029558 (CONTINUED)  
 INTAKE & EXHAUST MANIFOLD AND AIR HEATER  
 (4029068) (4029069) (4029350) (4035086)

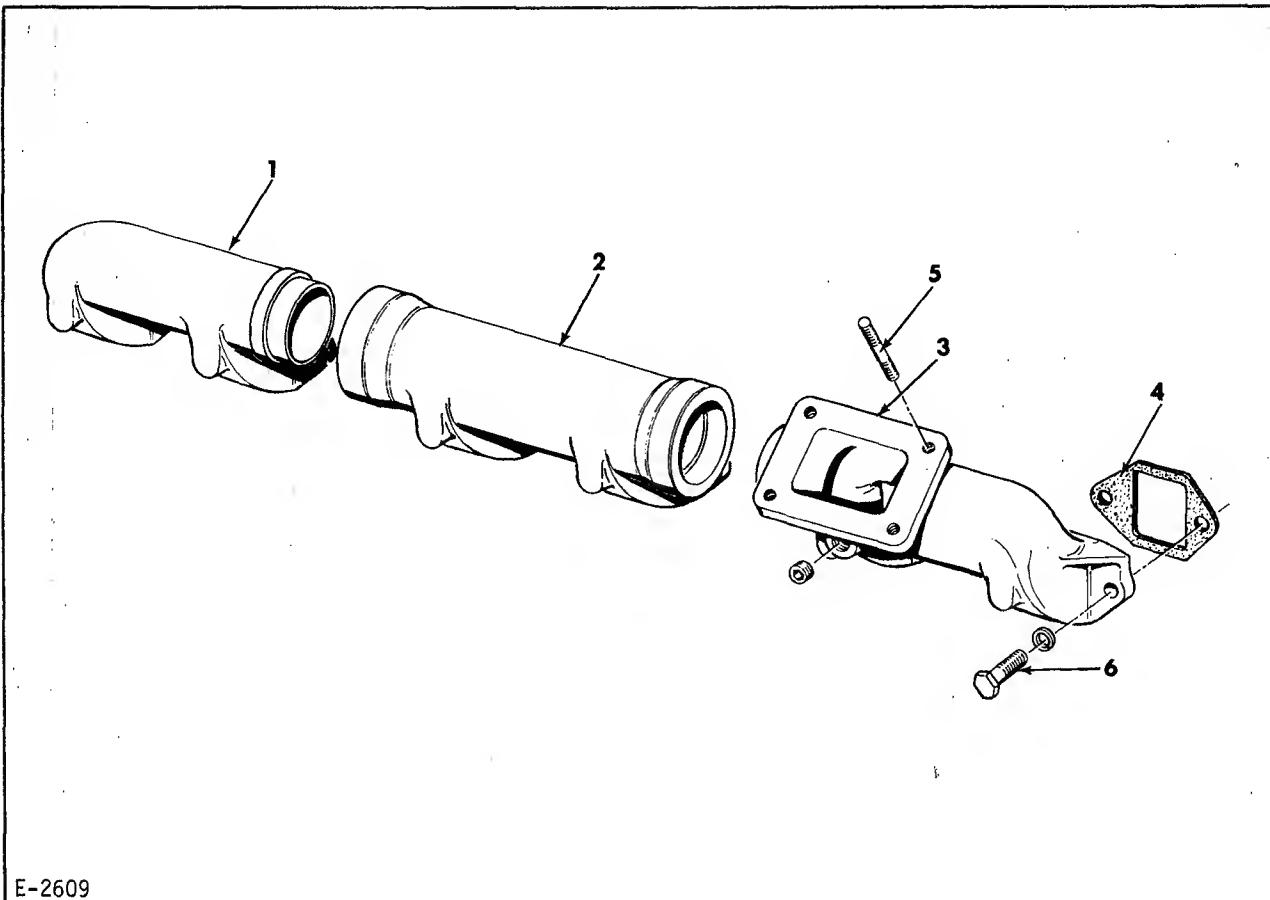
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4025690	1	FLANGE, INTAKE MANIFOLD TO CLEANER USED ON 3400 ENGINE	
	0916271	4	CAPSCREW, 3/8 NC X 1	
	0910287	4	LOCKWASHER, 3/8	
	0919840	1	PLUG, PIPE, HEX. HEAD, 1/4 NPTF	
	0920525	1	PLUG, PIPE, HEX. HEAD, 3/4 NPTF	
	4020880	1	PLUG, EXPANSION (AIR HTR OPENING)	
2	0239621	1	GASKET, FLANGE	
3	4026579	1	GASKET, INTAKE MANIFOLD.....4029572-7	
4	4027708	1	MANIFOLD, INTAKE (CENTER AIR INLET)(4029350)	
4	4027504	1	MANIFOLD, INTAKE (FRONT AIR INLFT)	
	4020880	1	PLUG, EXPANSION (AIR HTR OPENING)	
	0919134	1	PLUG, PIPE, 1/8 NPTF	
	0919224	14	CAPSCREW, 3/8 NC X 1-1/8	
	0913544	14	WASHER, PLAIN, 13/32	
	0910287	14	LOCKWASHER, 3/8	
5	4512343	1	GASKET, HEATER ELEMENT.....4029572-7	
6	4516760	1	ELEMENT, AIR HEATER 12 V.	
6	4515187	1	ELEMENT, AIR HEATER 24V. (4029068) (4029069)	
7	0240 32	1	CABLE, SWITCH TO AIR HEATER	
8	0240401	1	BRACKET, HEATER SWITCH	
	0916269	1	CAPSCREW, 3/8 NC X 7/8	
	0910287	1	LOCKWASHER, 3/8	
9	4513207	1	SWITCH, HEATER, 24 VOLT (4029068) (4029069)	
9	0237134	1	SWITCH, HEATER, 12 VOLT	
	0916284	2	CAPSCREW, 1/4 NC X 1/2	
	0904204	2	LOCKWASHER, 1/4	
	0910880	2	NUT, 1/4 NC	
10	4025982	1	WIRE ASSY., STARTER TO SWITCH	
11	4446414	1	SWITCH, PUSH BUTTON	
12	4029042	1	FLANGE EXHAUST (USED ON 3400 ENGINE)	
	0913544	4	WASHER	
	4255977	4	NUT	
13	4025781	1	GASKET, FLGE.....4029572-7	
14	4025720	1	MANIFOLD, EXH. REAR	
15	4028795	1	MANIFOLD, EXH. CENTER	
	0917425	1	PLUG, PIPE 1/4 NPTF	
16	4025719	1	MANIFOLD EXH. FRONT	
17	4027014	6	GASKET, EXH. MANIFOLD.....4029572-7	
18	4513701	4	STUDS	

REF 4028491, 4029113, 4029114, 4029557, 4029558 (CONTINUED)  
INTAKE & EXHAUST MANIFOLD AND AIR HEATER  
(4029068) (4029069) (4029350) (4035086)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
19	4371107	12	WASHER	
19	4027042	12	CAPSCREW, EXH. MANIFOLD	

NOTE- ITEMS 1&2, 12&13 ARE PECULIAR TO MDL 3400 ENGINE

\*OMISSION GROUP 4035086 PROVIDES FOR  
FACTORY REMOVAL OF AIR HEATER EQUIPMENT

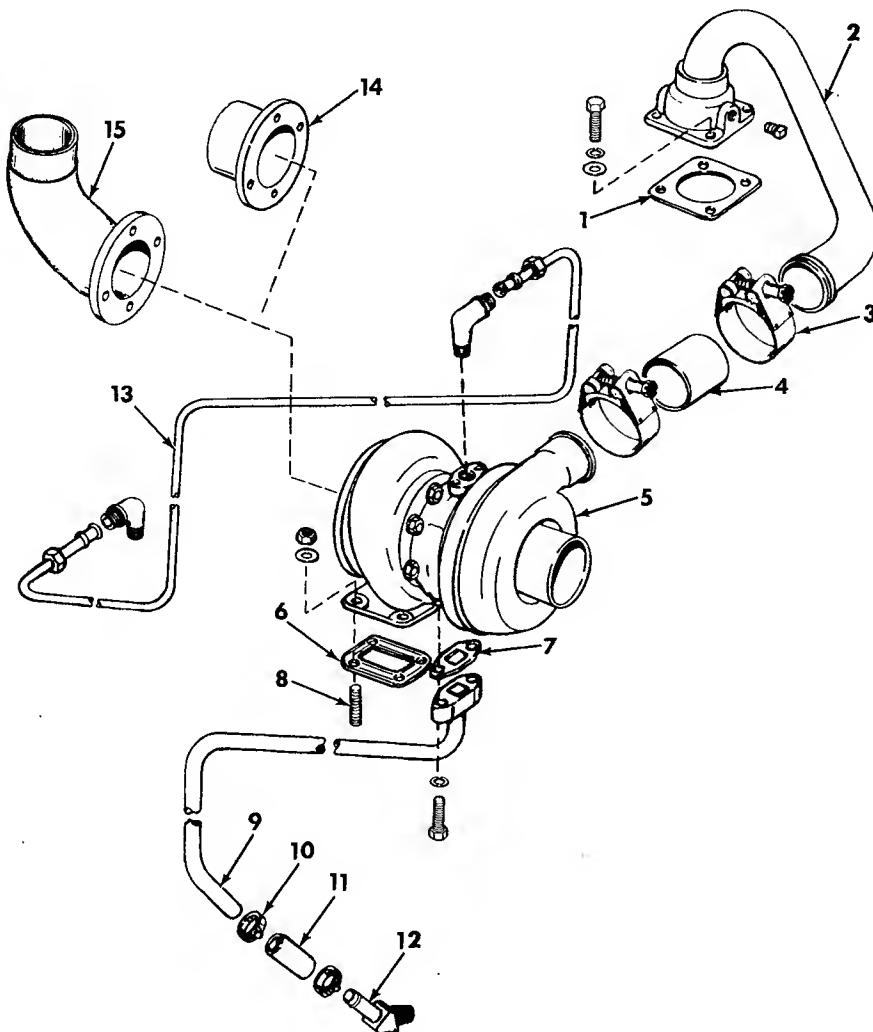


E-2609

REF. 4028930  
**EXHAUST MANIFOLD**  
 (FRONT MOUNTED TURBOCHARGER)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4025720	1	MANIFOLD, EXH. REAR	
2	4027505	1	MANIFOLD, EXH CENTER	
3	4027529 0917425	1	MANIFOLD, EXH FRONT PLUG, PIPE 1/4 NPT	
4	4027014	6	GASKET, EXH MANIFOLD.....	4029572
5	4513701	4	STUDS	
6	4027042	12	CAPSCREW	
6	4371107	12	WASHER	

NOTE- OPTIONAL EQUIPMENT GROUP 4029350  
 PROVIDES FOR FACTORY REMOVAL  
 AND APPLICATION OF EXHAUST MANIFOLD  
 CITED ON PRECEDING PAGE



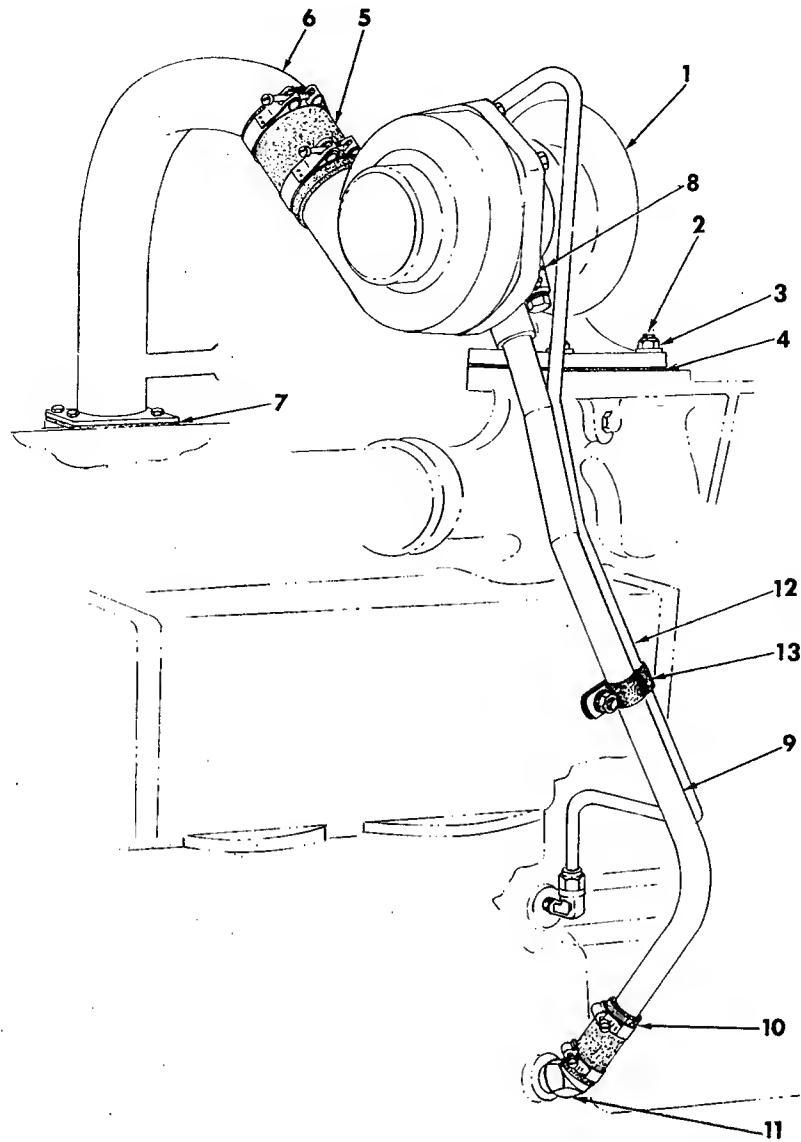
E-2232

REF 4028928  
TURBOCHARGER, FRONT MOUNTED  
(4027874)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4025376	1	GASKET.....	4029572-7
2	4028527 0916271 0910287 0919840	1 4 4 1	TUBE ASSY., AIR CROSSCVER CAPSCREW, 3/8 NC X 1 LOCKWASHER, 3/8 PLUG, PIPE, 1/4 PT	
3	0927140	2	CLAMP, HOSE	
4	4027975	1	HOSE, TUBE TO TURBOCHARGER	
5	4029207 4255977 0913544	1 4 4	TURBOCHARGER KIT., (WITH INSTR. SHEET) NUT, TURBO MOUNTING STUD WASHER, PLAIN	
6	4025781	1	GASKET, TURBO.....	4029572-7
7	4339532	1	GASKET, CIL DRAIN.....	4029572-7

REF 4028928 (CONTINUED)  
 TURBOCHARGER, FRONT MOUNTED  
 (4027874)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
8	-----	4	STUDS- REFER TO EXHAUST MANIFOLD	
9	4028995 0919224 0910287	1 2 2	TUBE ASSY., TURBO OIL DRAIN CAPSCREW, 3/8 NC X 1-1/8 LOCKWASHER 3/8	
10	0922660	2	CLAMP, HOSE	
11	4027719	1	HOSE, DRAIN	
12	0927476	1	FITTING, HOSE CONN. 45 DEG.	
13	4028993 4255983 0917807 0917810 0920280 0920790	1 1 1 2 1 1	TUBE ASSY., OIL FEED (INCL. NUTS & SLEEVES) SLEEVE, TURBO END SLEEVE, BLOCK END NUT ELBOW 90 DEG. (AT TURBO) ELBOW 90 DEG. (AT OIL GALLERY IN BLOCK)	
14	4027742 0921076 0239400 0919224	1 3 4 1	FLANGE, EXH. OUTLET CAPSCREW, 3/8 NC X 1-1/4 LOCKNUT, 3/8 NC CAPSCREW 3/8 NC X 1-1/8	
15	0244418	1	ELBOW 3 IN. OD. (IN LIEU OF ITEM 14) (4027874)	
16	4029238 0916284 0904204 0910880	2 1 1 1	CLAMP, TUBE (NOT ILLUSTRATED) CAPSCREW, 1/4 NC X 1/2 LOCKWASHER, 1/4 NUT, 1/4 NC	



E-2233

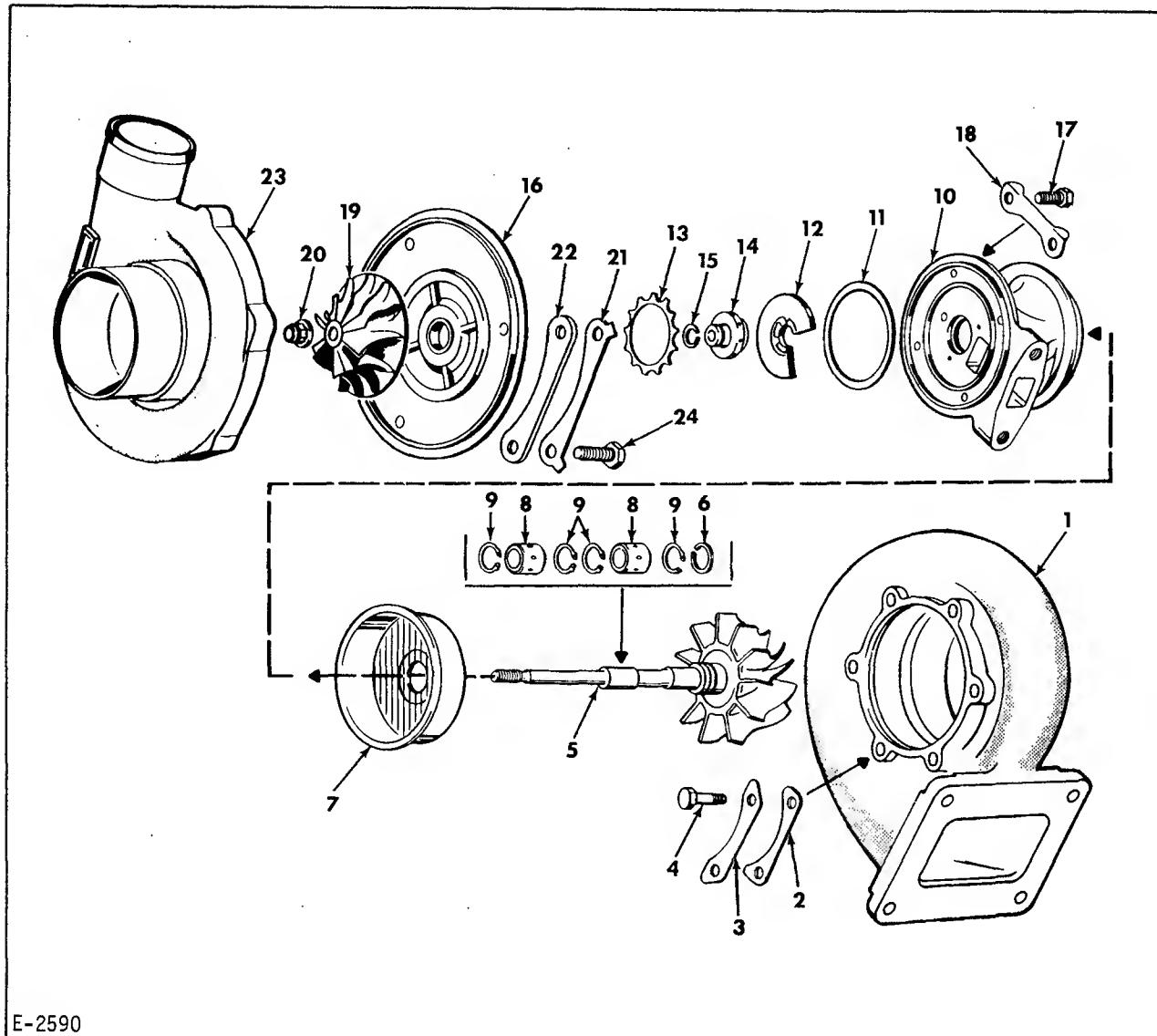
REF 4028926  
 TURBOCHARGER, CENTER MOUNTED  
 (4029350)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4029207	1	TURBOCHARGER KIT (WITH INSTR. SHEET)	
		4	STUD, MOUNTING (SEE EXH. MFD.)	
2	0913544	4	WASHER, PLAIN	
3	4255977	4	NUT, STAINLESS, 3/8 NC	
4	4025781	1	GASKET, TURBOCHARGER MOUNTING.....	4029572-7
5	4027975	1	HOSE, TUBE TO TURBOCHARGER	
	0927140	2	CLAMP, HOSE	
6	4027714	1	TUBE, AIR CROSS-OVER (USE W/O AIR COMP.)	
6	4027765	1	TUBE, AIR CROSS-OVER (W/AIR C. CONN. (4029350)	
	0916269	4	CAPSCREW, 3/8 NC X 7/8	
	0910287	4	LOCKWASHER, 3/8	

REF 4028926 (CONTINUED)  
 TURBOCHARGER, CENTER MOUNTED  
 (402935C)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
7	4025376	1	GASKET, AIR CROSSOVER TUBE.....	4029572-7
8	4339532	1	GASKET, OIL DRAIN LINE.....	4029572-7
9	4029233 0919224 0910287	1 2 2	TUBE, OIL DRAIN LINE CAPSCREW, 3/8 NC X 1-1/8 LOCKWASHER, 3/8	
10	4027719 0922660	1 2	HOSE, OIL DRAIN LINE CLAMP, HOSE	
11	0927476	1	FITTING, HOSE CONNECTING, 45 DEG.	
12	4029235 0917810 0917807 4338301 0920280 0920790	1 2 1 1 1 1	TUBE ASSY., OIL FEED (INCLUDES NUTS AND SLEEVES INDENTED BELOW) NUT, 3/8 TUBE SLEEVE, 3/8 TUBE (LOWER) SLEEVE, 3/8 TUBE (UPPER) ELBOW, 90 DEG., 3/8 TUBE, 1/4 NPT MALE AT TURBO ELBOW, 90 DEG. (AT CYLINDER BLOCK)	
13	4029238 0916284 0904204 0910880	2 1 1 1	CLAMP, TUBE CAPSCREW, 1/4 NF X 1/2 LOCKWASHER, 1/4 NUT, 1/4 NF	

NOTE- OPTL GP 4029350 ALSO INCLUDES EXHAUST DIFFUSER  
 GP. 4025936  
 AND AIR COMPRESSOR AIR INLET TUBE 4025603.



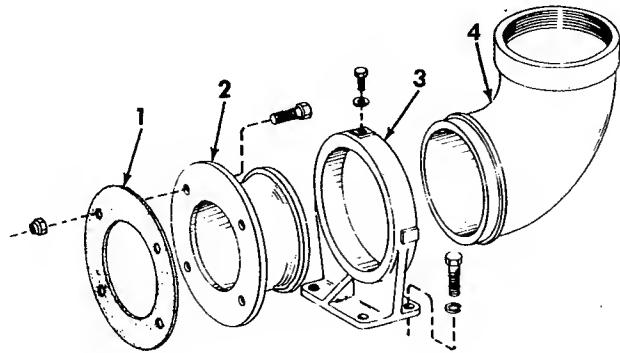
E-2590

**TURBOCHARGER ASSEMBLY**  
4029207

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
NOTE- SERVICE TURBOCHARGER KIT FOR PRODUCTION NUMBERS (4029144) (4029145) (4029146) (4029700)				
-	4029207	1	TURBOCHARGER KIT (INCLUDES BASIC TURBOCHARGER AND INSTRUCTIONS.)	
1	4060950	1	HOUSING KIT, TURBINE	
2	4059990	3	CLAMP	
3	4059991	3	LOCKPLATE, TURBINE HOUSING BOLTS	
4	4059998	6	BOLT, TURBINE HOUSING	
5	4060011	1	SHAFT AND TURBINE WHEEL	
6	4060936	1	RING, SEALING, TURBINE WHEEL SHAFT	
7	4059997	1	SHROUD, TURBINE HOUSING	

TURBOCHARGER ASSEMBLY (CONTINUED)  
4029207

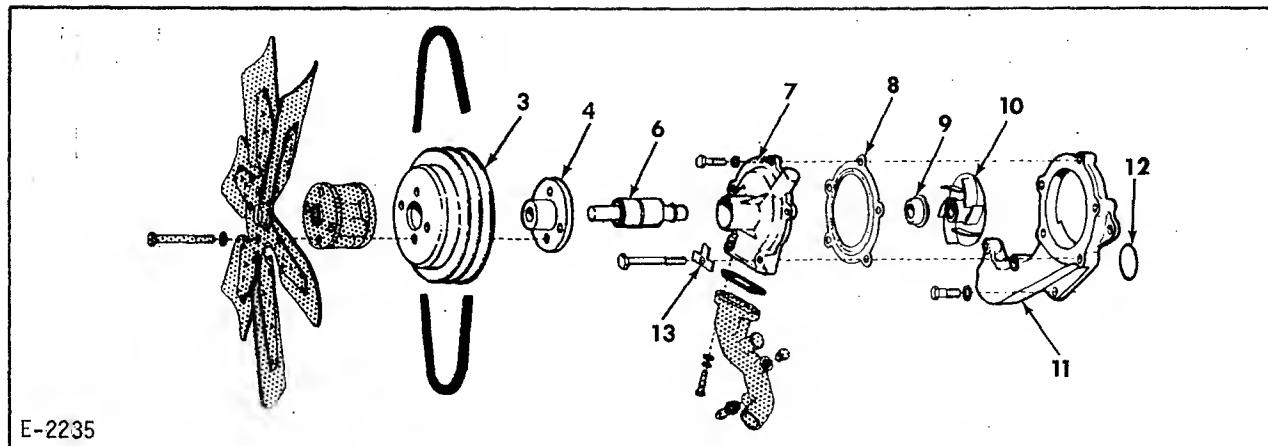
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
8	4060935	2	BEARING, TURBINE SHAFT	
9	4060726	4	RING, SNAP, BEARING RETAINING	
10	4060940 4053422	1 2	HOUSING KIT, CENTER (INCLUDES PIN) PIN, SPRING, STAINLESS, 3/32 X 1/4	
11	4056300	1	RING, SEALING, COMPRESSOR HOUSING	
12	4060939	1	BEARING, THRUST	
13	4059987	1	SPRING, THRUST BEARING	
14	4059988	1	COLLAR, THRUST	
15	4059984	1	RING, SEALING, THRUST COLLAR	
16	4060945	1	BACKPLATE ASSY.	
17	0928202	4	BOLT, ATTACHING	
18	4059992	2	LOCKPLATE	
19	4060944	1	WHEEL, COMPRESSOR	
20	4059993	1	NUT, TURBINE SHAFT	
21	4060949	3	LOCKPLATE	
22	4060948	3	CLAMP	
23	4060947	1	HOUSING, COMPRESSOR	
24	0920787	6	BOLT, COMPRESSOR HOUSING	



E-2234

**DIFFUSER, EXHAUST OUTLET  
(4025936) (4029350)**

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4338943	1	GASKET, DIFFUSER.....	4029572-7
2	4025922	1	DIFFUSER, EXHAUST	
	0919224	1	CAPSCREW, DIFFUSER, 3/8 NC X 1-1/8	
	0916272	3	CAPSCREW, DIFFUSER, 3/8 NC X 1-1/4	
	0239400	4	NUT, LOCK, 3/8 NC	
3	4028953	1	RING, DIFFUSER	
	0918683	4	CAPSCREW, 1/2 NC X 1-1/8	
	0904208	4	LOCKWASHER, 1/2	
	0920469	1	SETScrew, 3/8 NC X 3/4	
	0912772	1	NUT, JAM, 3/8 NC	
4	4025925	1	ELBOW, EXH. OUTLET	



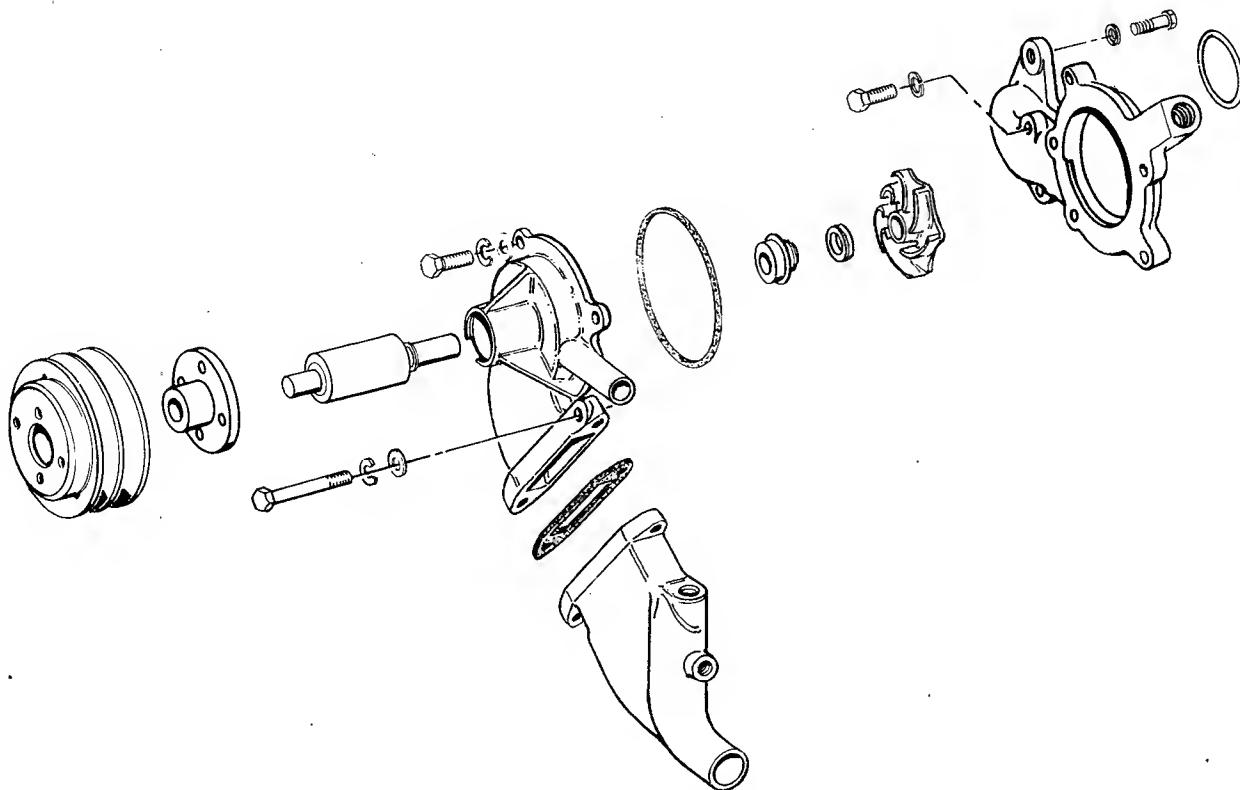
E-2235

REF 4028907, 4029344  
WATER PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4029490	1	PUMP ASSY., WATER (INCL. ITEMS 4 THRU 7, 9&10 USED ON ENGINE 4028883 SEE NOTE 1	
1	4029488	1	PUMP ASSY., WATER (INCL. ITEMS 4 THRU 7, 9 &10 USED ON ENGINE 4028880-SEE NOTE 1	
	0919224	2	CAPSCREW, 3/8 NC X 1-1/8	
	0910948	1	CPS., 3/8 NCX2(USE WITH 4029490 ONLY	
	0919227	1	CAPSCREW, 3/8 NC X 3-1/4	
	0910287	3	LOCKWASHER, 3/8	
2	-----	*	SEE FAN ASSY.	
3	4028447	1	PULLEY, WATER PUMP	
4	4025068	1	HUB, PULLEY, FCR PUMP 4029488	
4	4029020	1	HUB, PULLEY, FOR PUMP 4029490	
5	-----	*	DELETE	
6	-----	1	SHAFT, BEARING & SLINGER ASSY., NOT SERVICED SEPARATELY).....4029506-5	
7	4029129	1	BODY, WATER PUMP	
8	4026887	1	GASKET, WATER PUMP TO VOLUTE.....4029506-5	
9	4025710	1	SEAL ASSY., WATER PUMP.....4029506-5	
10	4025067	1	IMPELLER ASSY.....4029506-5	
11	4025528	1	VOLUTE, WATER OUTLET	
	0919224	3	CAPSCREW, 3/8 NC X 1-1/8	
	0910287	4	LOCKWASHER, 3/8	
	0910948	1	CAPSCREW, 3/8 NC X 2	
12	0923684	1	O-RING, 2-1/16 ID.....4029506-5	
13	4025139	2	WASHER, TAB	

NOTE- 1. REFER TO PACKAGE PARTS FOR PUMP KITS WHICH INCLUDE MOUNTING GASKETS

NOTE- 2. PUMP AY 4029488 WAS ALSO USED ON  
ENGINE 4028881 PRIOR TO S/N 3018118



E-2610

REF 4029807  
WATER PUMP  
(4029577) (4035164)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4035145	1	PUMP ASSY., WATER (AFTER SN 3D26470) USED ON ENGINES 4028881, 4028884	
	0919224	3	CAPSCREW, 3/8 NC X 1 1/8	
	0918829	1	CAPSCREW, 3/8 NC X 3 1/4	
	0910287	3	LOCKWASHER	
2	-----	1	BODY-NOT SERVICED	
3	-----	1	SHAFT, BEARING AY.	..... 4035204
4	4025068	1	HUB, PULLEY	
5	4025710	1	SEAL AY.....	..... 4035204
6	4029320	1	FACE AY., SEAL.....	..... 4035204
7	-----	1	IMPELLER.....	..... 4035204
8	0923971	1	O-RING, PUMP TO VOLUTE	
9	4029322	1	VOLUTE	
	0918829	1	CAPSCREW 3/8 NC X 3 1/4	
	0929996	2	CAPSCREW 3/8 NC X 1 5/8	
10	0923684	1	O-RING	
11	4028447	1	PULLEY, 1.24:1 DRIVE RATIO REQUIRED IN BASIC ENGINE	

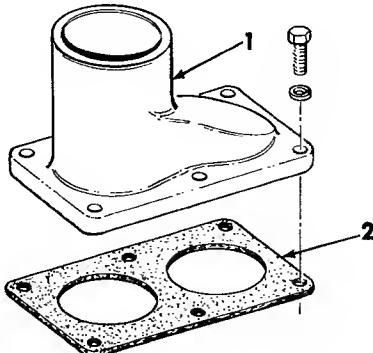
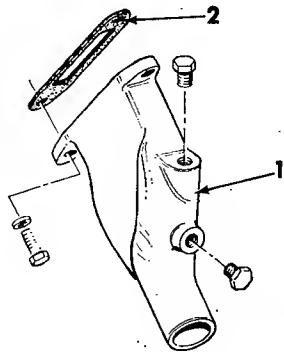
NOTE: PUMP 4035145 ALSO REPLACES 4029317 USED ON ENGINE 4028881  
FROM SN 3D18118 THRU SN 3D26470

REF 4029807 (CONTINUED)  
WATER PUMP  
(4029577) (4035164)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
12	4029329	1	PULLEY, 1:1 DRIVE RATIO (4029577) (4035164) THIS PULLEY REQUIRES A CHANGE IN ALTERNATOR BELT	

NOTE- 1. REFER TO PACKAGE PARTS FOR PUMP KIT  
WHICH INCLUDES MOUNTING GASKETS

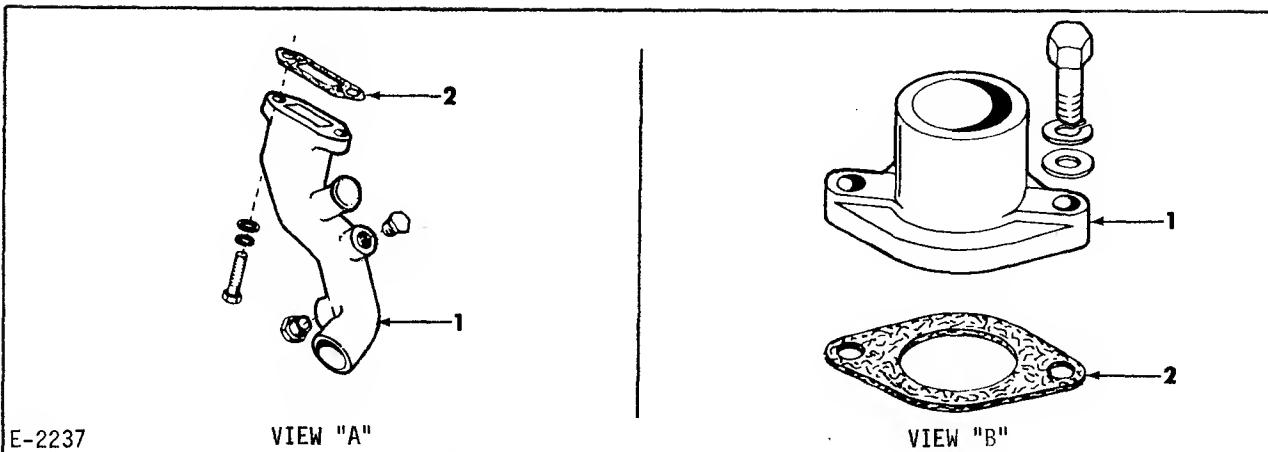
E-2611



REF 4029809, 4029386  
WATER INLET AND OUTLET PIPES  
2 INCH I.D.

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4029772 0916191 0904207 0920416	1 2 2 2	PIPE, WATER INLET (VIEW A) CAPSCREW, 7/16 NC X 1 1/2 LOCKWASHER PLUG, PIPE 1/2 HX. HD.	
2	4029327	1	GASKET.....	4029572
1	4029323 0914392 0904205	1 6 6	FLANGE-WATER OUTLET (VIEW B) CAPSCREW, 5/16 NC X 1 LOCKWASHER	
2	4029324	1	GASKET.....	4029572

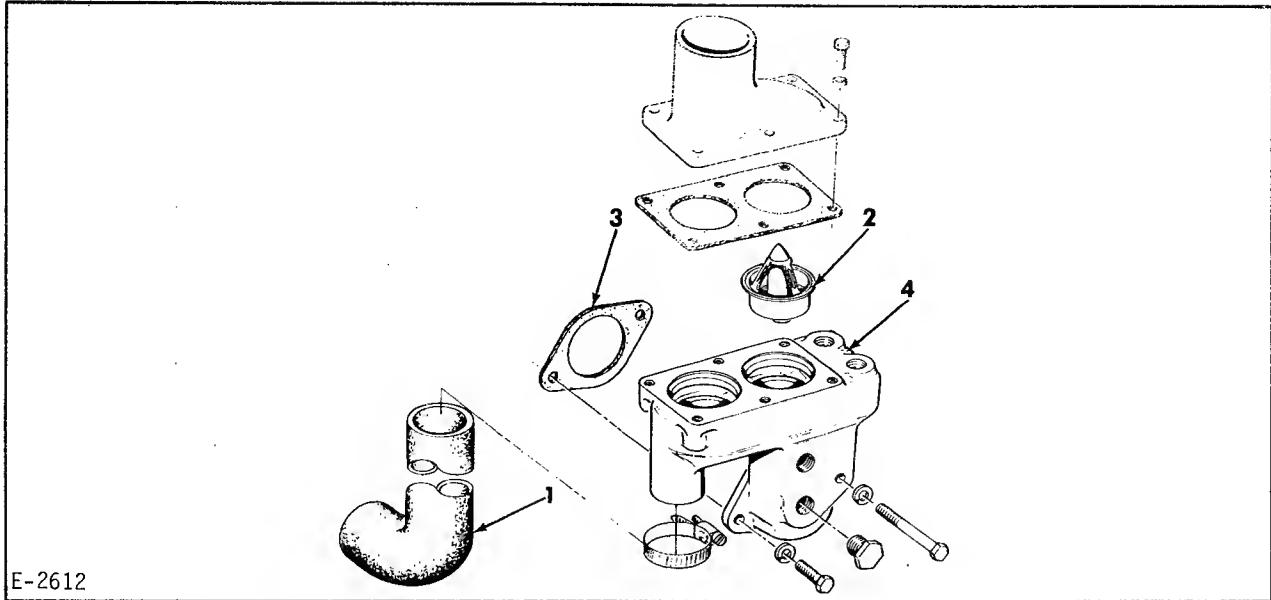
NOTE- 1. PROVIDED ON ENGINE 4028881 AFTER S/N 3018117  
AND ON ENGINE 4028884



REF 4025110, 4027942, 4029118  
WATER INLET AND WATER OUTLET PIPES

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4027247	1	PIPE, WATER INLET (VIEW A)	
	0914847	2	CAPSCREW, 3/8 NC X 1-1/2	
	0913544	2	WASHER, PLAIN, 13/32	
	0910287	2	LOCKWASHER, 3/8	
	0920416	2	PLUG, PIPE, 1/2 HEX HEAD	
2	4025106	1	GASKET, INLET PIPE.....	4029572-7
1	4021152	1	FLANGE, WATER OUTLET (VIEW B)	
	0916197	2	CAPSCREW, 7/16 NC X 1-1/4	
	0904207	2	LOCKWASHER, 7/16	
	0914498	2	WASHER, PLAIN, 7/16	
2	4025101	1	GASKET, CUTLET FLANGE.....	4029572-7

NOTE- PROVIDED ON ENGINES 4028880, 4028883, AND ON ENGINE  
4028881 PRIOR TO S/N 3D18118

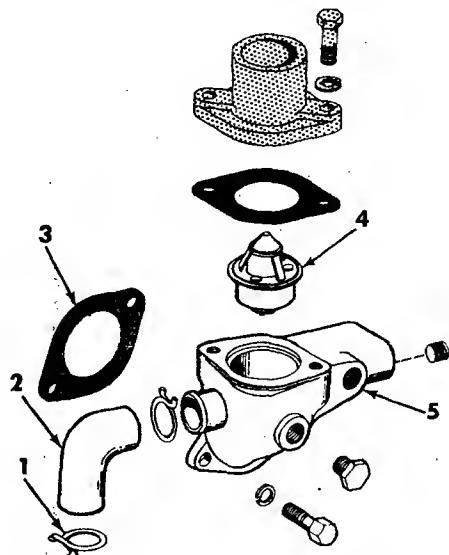


E-2612

REF 4029942  
THERMOSTATS AND HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4352409 4255093	1 2	HOSE, BY-PASS CLAMP	
2	4025103	2	THERMOSTAT	
3	4025101	1	GASKET.....	4029572
4	4035306 0916197 0916868 0904207 0920416	1 1 1 2 3	HOUSING, THERMOSTAT (REPLACES 4029330) CAPSCREW, 7/16 X 1 1/4 CAPSCREW, 7/16 X 3 1/4 LOCKWASHER PLUG, PIPE 1/2 HX. HD.	

PROVIDED ON ENGINE 4028881 AFTER S/N 3D18117  
AND ON ENGINE 4028884

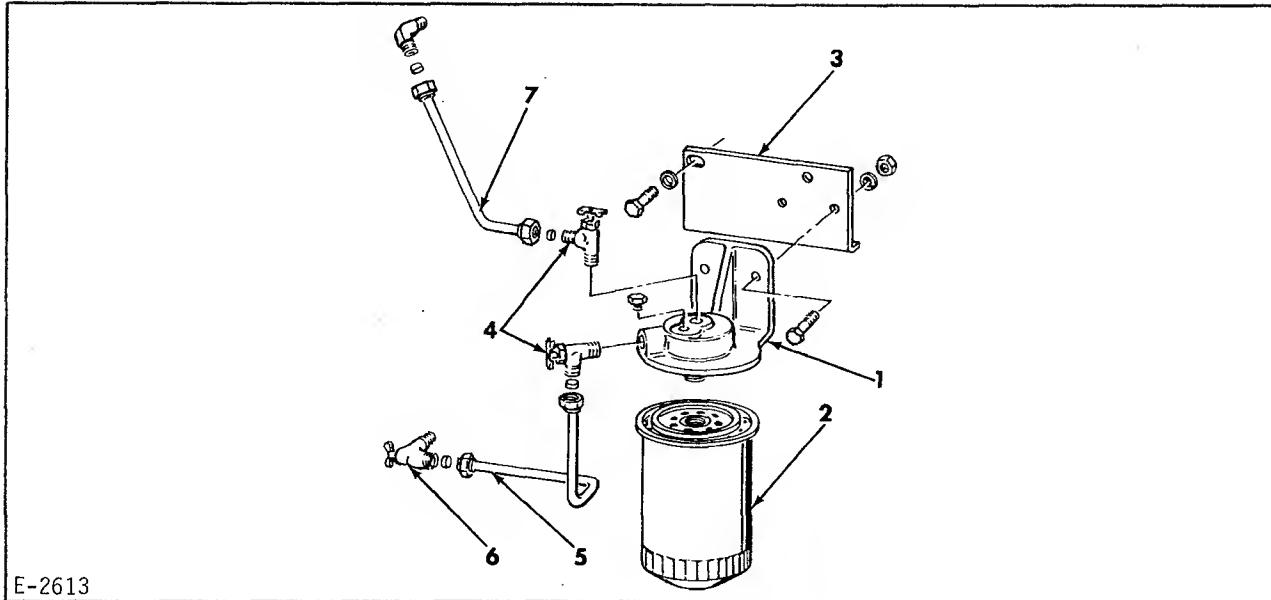


E-2236

REF 4029505  
THERMOSTAT & HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4255528	2	CLAMP, HOSE	
2	4025594	1	HOSE, BY-PASS	
3	4025101	1	GASKET, THERMOSTAT HOUSING.....	4029572-7
4	4025103	1	THERMOSTAT	
5	4029459 0919228 0904207 0920416 0904223 0920333	1 2 2 3 1 1	HOUSING, THERMOSTAT CAPSCREW, 7/16 NC X 1-1/8 LOCKWASHER, 7/16 PLUG, PIPE, 1/2 HEX. HEAD PLUG, PIPE, 1/2 COUNTERSUNK SQ. SOCKET PLUG, PIPE, 3/8	

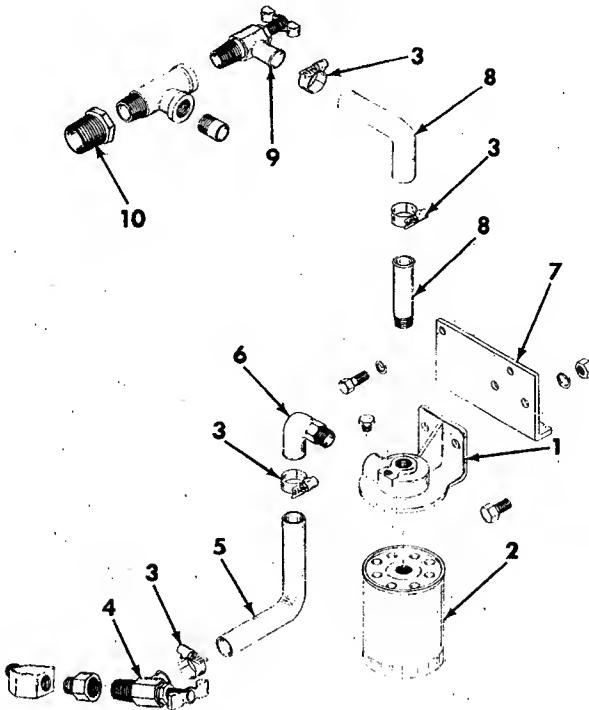
NOTE- PROVIDED ON ENGINES 4028880, 4028883  
AND ON ENGINE 4028881 PRIOR TO SN 3D18118



E-2613

REF 4029850, 4029851, 4035129  
COOLANT FILTER, CONDITIONER  
SECOND TYPE-WITH TUBES

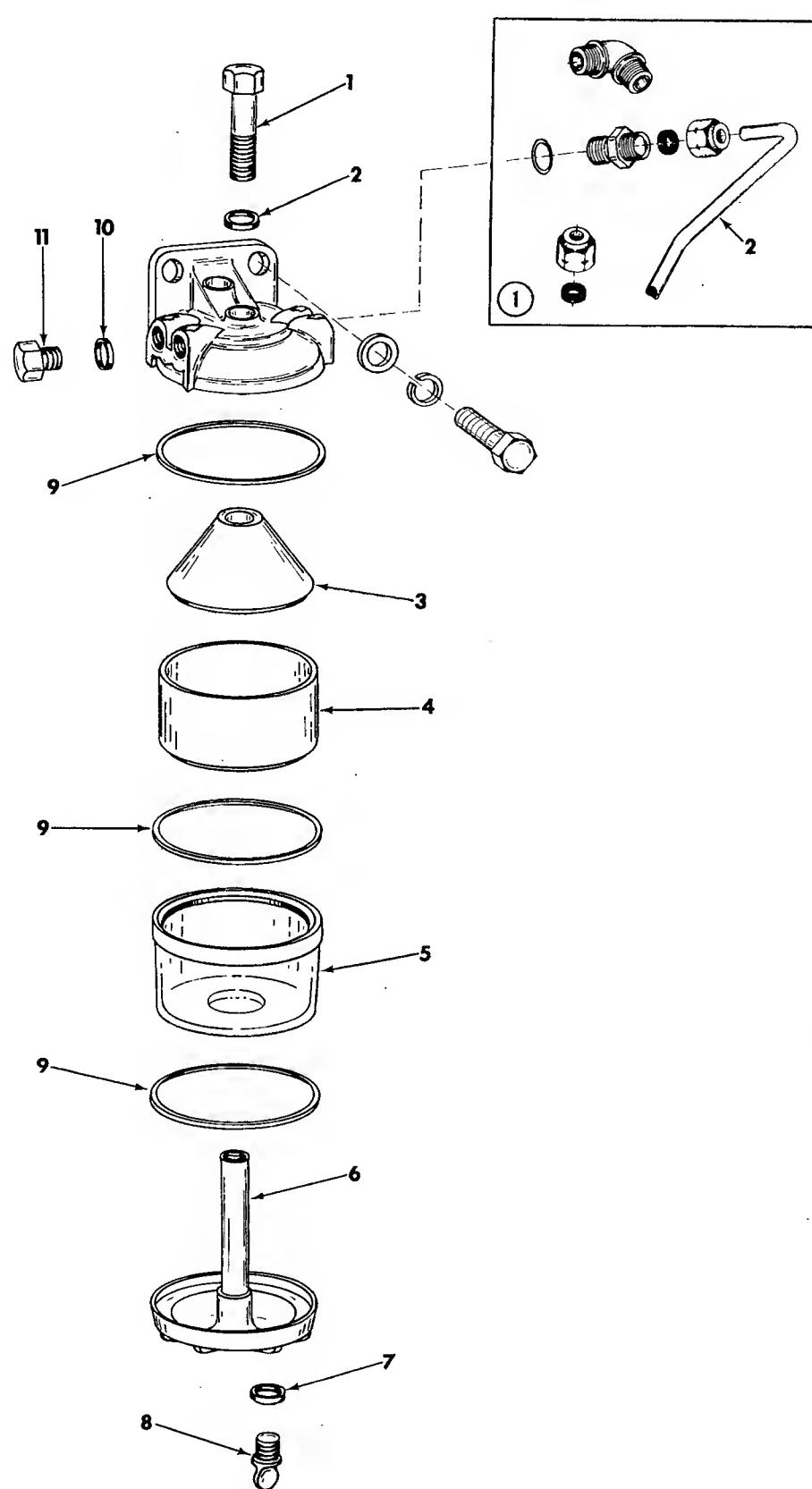
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4393427	1	BASE ASSY., FILTER	
	0916197	2	CAPSCREW, 7/16 NC X 1-1/4	
	0904207	2	LOCKWASHER	
	0912201	2	NUT	
	0919134	1	PLUG, PIPE, 1/8	
2	4029089	1	FILTER (ORIGINAL EQUIPMENT, ALL PURPOSE) (EXCEPT "DOWTHERM" 2C9)	
2	4029120	*	FILTER (CHROMATIC TYPE) FOR USE WITH "DOWTHERM" 209 ANTI-FREEZE	
3	4029586	1	BRACKET, MOUNTING	
	0916272	2	CAPSCREW, 3/8 NC X 1-1/2	
	0910287	2	LOCKWASHER	
4	0928947	2	VALVE ASSY., SHUT-OFF	
5	4029653	1	TUBE, INLET-ENGINE 4028883	
5	4029788	1	TUBE, INLET-ENGINES 4028880, 4028881 AND 4028884	
	0917807	2	SLEEVE	
	0917810	2	NUT, 3/8 TUBE	
6	4029694	1	VALVE ASSY., SHUT-OFF	
7	4029875	1	TUBE, WATER OUTLET-ENGINE 4028880	
7	4035117	1	TUBE, WATER OUTLET-ENGINE 4028883	
7	4029792	1	TUBE, WATER OUTLET-ENGINES 4028881, 4028884	
	0917807	2	SLEEVE	
	0917810	2	NUT, 3/8 TUBE	
	0919005	1	ELBOW, IMPERIAL, 3/8 TUBE, 3/8 NPT EXCEPT ENGINES 4028888, 4028884	
	0928915	1	ELBOW, IMPERIAL, 3/8 TUBE, 1/2 NPT ENGINES 4028881-4028884	



E-2118

REF 4029086  
FIRST TYPE-FILTER (CONDITIONER) WITH HOSES  
PRIOR TO S/N 3D20329

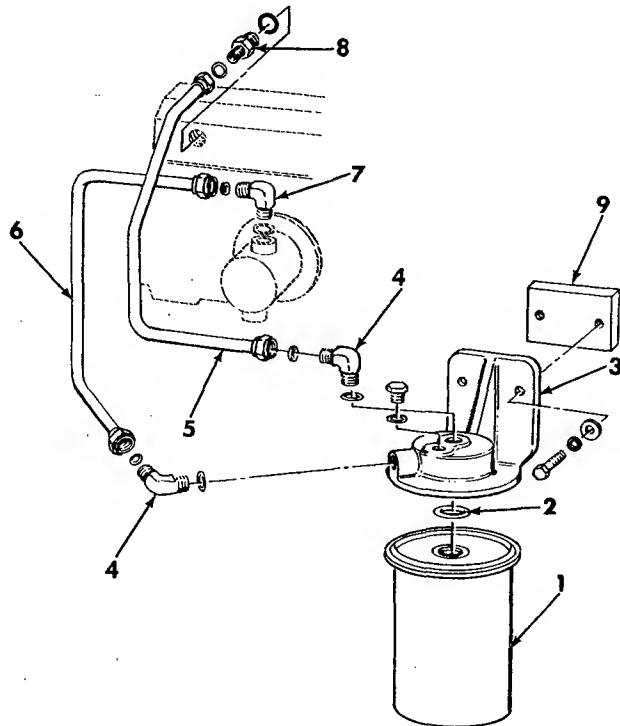
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4393427 0916197 0904207 0912201 0919134	1 2 2 2 1	BASE ASSY., FILTER CAPSCREW, 7/16 NC X 1-1/4 LOCKWASHER, 7/16 NUT, 7/16 NC PLUG, PIPE, 1/8 NPT	
2	4029089	1	FILTER, WATER (YEAR ROUND)	
2	4029120	*	FILTER, WATER (CHROMATE) FOR SERVICE WHEN REQUIRED.	
3	4254756	4	CLAMP, HOSE	
4	4255287 0912483 0922967	1 1 1	VALVE, ASSY., SHUT-OFF ADAPTER, 3/8 X 1/4 ELBOW, 45 DEG., 1/4 NPT	
5	4029210	1	HOSE, INLET, 7 LG.	
6	4255286	1	ELBOW, 90 DEG., WATER INLET	
7	4029586 0916272 0910287	1 2 2	BRACKET, MOUNTING (ALSC REPLACES 4029087) CAPSCREW, 3/8 NC X 1-1/2 LOCKWASHER, 3/8	
8	4029088 0917026	1 1	HOSE, WATER OUTLET (6-1/2 LG.) NIPPLE, PIPE, 3/8 NPT X 1-1/2	
9	0089894	1	VALVE ASSY., SHUT-OFF	
10	0904271	1	BUSHING, REDUCER AT THERMSTAT HSG.	



E-2253

WATER SEPARATOR  
HIGH MOUNT 4028844  
LOW MOUNT (4029377) (4035097)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
-	-----	*	HIGH MOUNT ADAPTION (4028844)	
1	4023654	1	FILTER ASSY., WATER SEPARATOR	
	0919224	2	CAPSCREW, 3/8 NC X 1-1/4	
	0910287	2	LOCKWASHER, 3/8	
	0916956	2	WASHER	
	4023720	1	ELBOW, AT FILTER (INCL 1 O-RING)	
	0921884	1	O-RING	
2	4029520	1	TUBE, TO TRANSFER PUMP	
	0917807	2	SLEEVE	
	0917810	2	NUT	
-	-----	*	LOW MOUNT ADAPTION (4029377) (4035097)	
1	4023654	1	FILTER ASSY., WATER SEPARATOR	
	0916274	2	CAPSCREW, 3/8 NC X 2-1/4	
	0910287	2	LOCKWASHER, 3/8	
	0916956	2	WASHER	
	4356598	2	SPACER	
	4023556	1	CONNECTOR & FILTER (INCL 1 O-RING)	
	0921884	1	O-RING	
2	4029517	1	TUBE, TO TRANSFER PUMP	
	0917807	2	SLEEVE	
	0917810	2	NUT	
-	-----	*	FILTER ASSY. COMPONENTS 4023645	
1	4060747	1	BOLT, CENTER	
2	4060748	1	WASHER, CENTER BOLT	
3	-----	1	ELEMENT, SEDIMENTER (NOT SERVICED SEPARATELY)	
4	-----	1	BODY, SEDIMENTER (NOT SERVICED SEPARATELY)	
5	-----	1	BODY, AGGLOMERATOR	
6	-----	1	BASE, (INCL STUD) (NOT SERVICED SEPARATELY)	
7	4060751	1	WASHER, SEALING	
8	4060752	1	PLUG, DRAIN	
9	4060749	3	SEAL, COVER AND BASE	
10	4060753	1	WASHER, CLOSING PLUG	
11	4060754	1	PLUG, CLOSING	
12	-----	1	COVER, (NOT SERVICED SEPARATELY)	

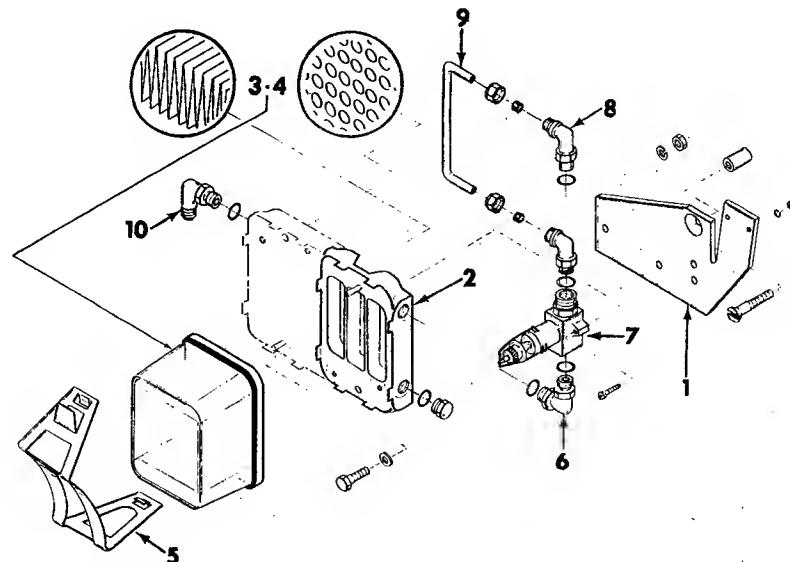


E-2256

REF 4029165  
FUEL FILTER AND LINES

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4028945	1	ELEMENT, FUEL FILTER (INCLUDES ITEM 2)	
2	0923934	1	O-RING, FILTER ELEMENT	
3	4028802	1	BASE ASSY., FUEL FILTER	
	0920612	1	CAPSCREW 3/8 NF X 1/2	
	0918801	2	CAPSCREW, 7/16 NC X 5/8	
	0904207	2	LOCKWASHER, 7/16	
	0912298	2	WASHER, PLAIN, SAE STD., 7/16	
	4251367	1	WASHER, COPPER	
4	4023721	2	ELBOW, (INCL. 1EA O-RING)	
	0921885	2	O-RING	
5	4029251	1	TUBE, FILTER TO INJECTION PUMP SEE NOTE	
	0917807	2	SLEEVE, COMPRESSION	
	0917810	2	NUT, 3/8	
6	4029250	1	TUBE, FILTER TO TRANSFER PUMP	
	0917807	2	SLEEVE	
	0917810	2	NUT, 3/8	
7	4023720	1	ELBOW, TRANSFER PUMP (INCL. 1EA. O-RING)	
	0921884	1	O-RING	
8	4023556	1	CONNECTOR,(INCL. 1 EA. O-RING)	
	0921884	1	O-RING	
9	4025626	1	SPACER, BASE	

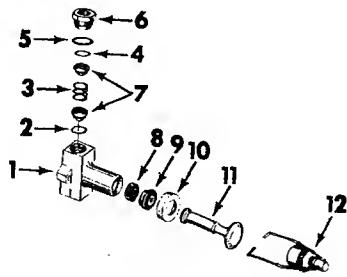
NOTE- ITEM 5 CHANGES WHEN UNIT IS EQUIPPED  
WITH SAFETY CONTROLS AND FUEL VALVE



E-2260

REF 4029697  
**FUEL FILTER AND HAND PRIMER  
FOR DISTRIBUTOR TYPE F I PUMP**

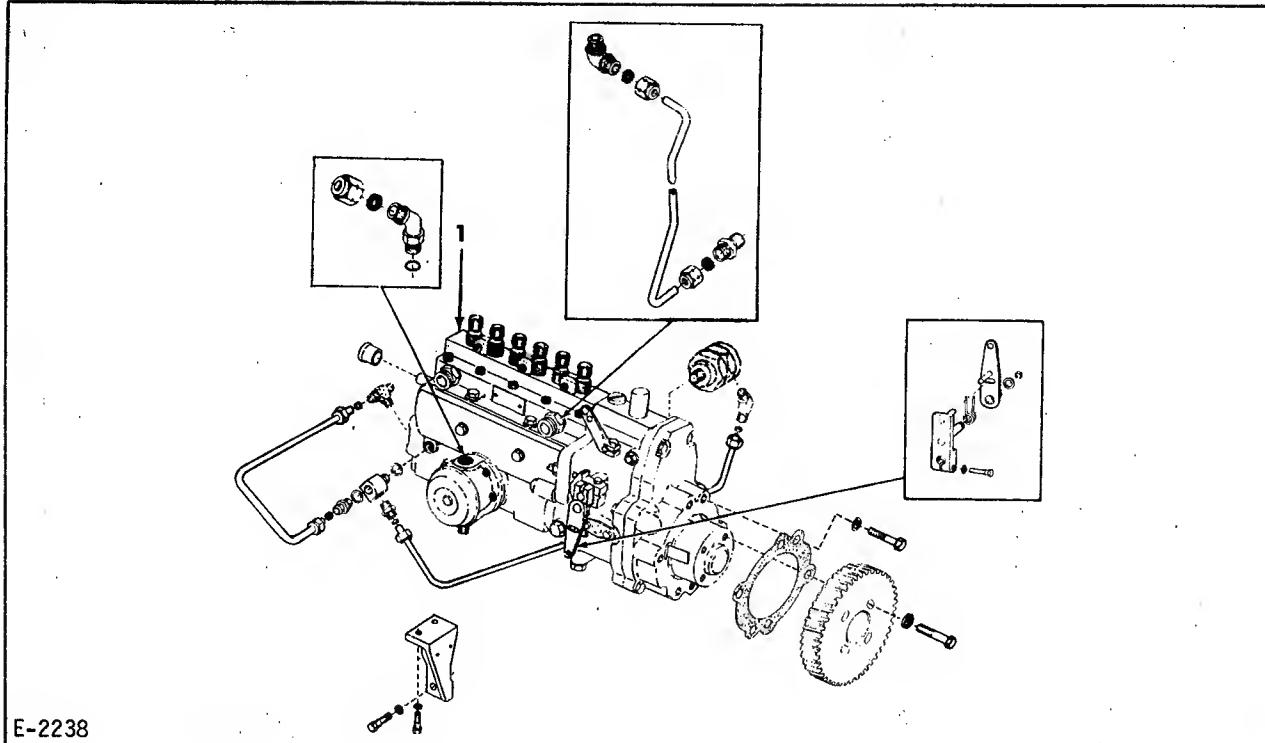
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4029724	1	BRACKET, SEE OIL PAN	
	0929711	1	SPACER	
		1	SCREW, FLT. HD. SOCKET	
2	4024235	1	BASE (SINGLE ELEMENT)	
	0916271	2	CAPSCREW 3/8 NC X 1	
	0910287	2	LOCKWASHER	
	0918266	2	WASHER	
	0910324	2	NUT	
	0923167	3	PLUG-VENT AND DRAIN INCLUDES O-RING	
	0921884	3	O-RING	
3	4024232	1	FILTER, FUEL	
5	4024237	1	CLAMP (1 TO A UNIT)	
6	4024215	1	ELBOW (INCL. 2 O-RING)	
	0921884	2	O-RING	
7	4024229	1	PUMP, HAND PRIMER	
	0914081	2	CAPSCREW #10-32X1	
	0904203	2	LOCKWASHER	
	0917415	2	NUT	
8	4023720	2	ELBOW, (INCL O-RING)	
	0921884	2	O-RING	
9	4029588	1	TUBE	
	0917807	2	SLEEVE	
	0917810	2	NUT	
10	0927055	1	ELBOW, INLET (INCL O-RING)	
	0921884	1	O-RING	



E-2261

**HAND PRIMER PUMP ASSEMBLY**  
4024229

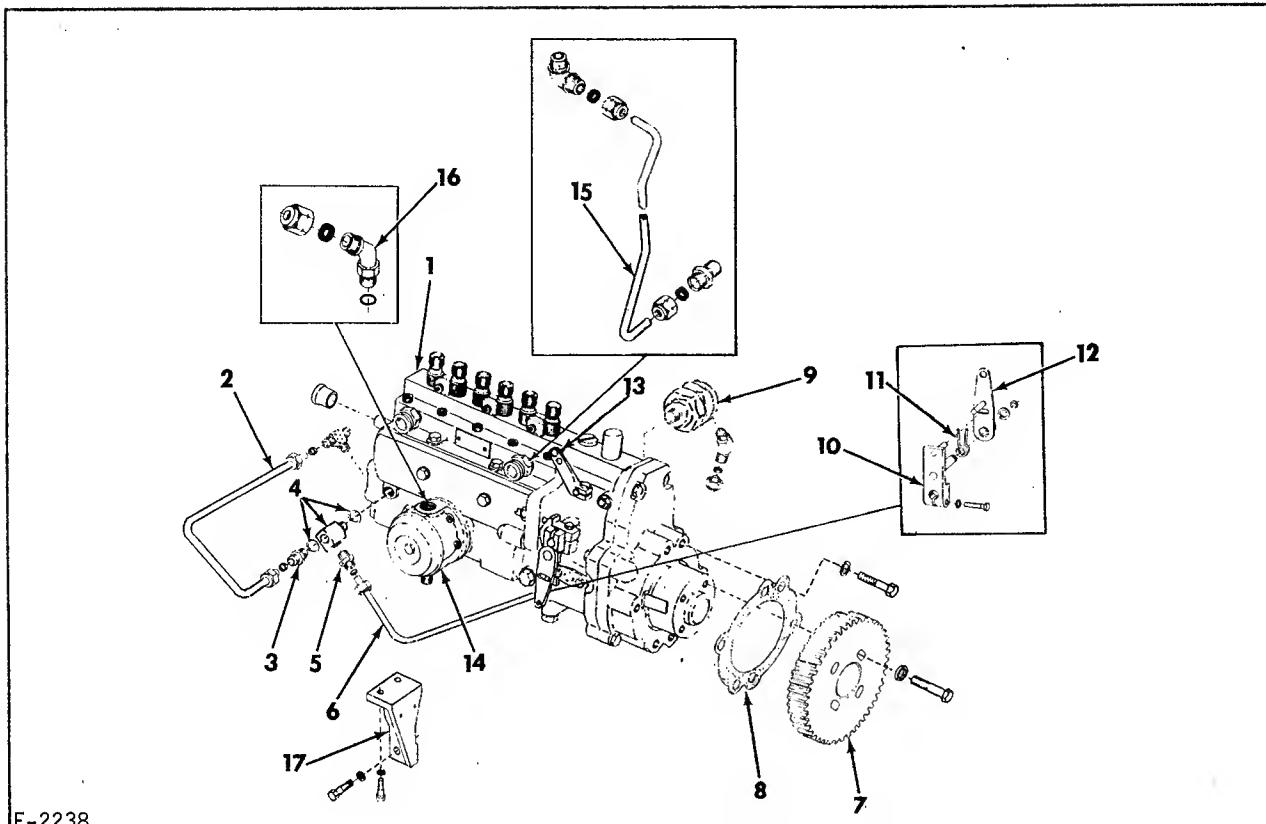
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	-----	1	BODY, PUMP (NOT SERVICED SEPARATELY)	
2	4060695	1	O-RING	
3	4050638	1	SPRING, VALVE RETAINER	
4	4048649	1	SEAL, VALVE NUT (INNER)	
5	4050645	1	RING, SEAL, VALVE NUT	
6	4060956	1	NUT, VALVE	
7	4050637	2	VALVE, PRIMER PUMP	
8	4053035	1	SEAL, PISTON	
9	4053037	1	GUIDE, PLUNER	
10	4059620	1	CAP, GUIDE RETAINER	
11	4053036	1	PLUNGER, PUMP	
12	4050646	1	CLAMP ASSY, (INCL SCREW & WIRE)	



REF 4028896, 4028900, 4029102  
 FUEL INJECTION PUMP  
 EFFECTIVE WITH ENGINE S/N 3D19629

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4029978	1	PUMP ASSY., (4029977) FUEL INJECTION, MULTI-PLUNGER, (GE) TYPE GOVERNOR, THROTTLE & STOP LEVERS, HYDRAULIC RETARD DEVICE, EXTENDED CAMSHAFT DRIVE AND WITH TORQUE CAPSULE SMOKE STOP ASSY. (ENGINE 4028883)	
1	4029974	1	PUMP ASSY., (4029973) FUEL INJECTION, MULTI-PLUNGER, (GE) TYPE GOVERNOR, THROTTLE AND STOP LEVERS, HYDRAULIC RETARD DEVICE, EXTENDED CAMSHAFT DRIVE AND WITH SOLID SMOKE STOP. (ENGINE 4028880)	
1	4029535	1	PUMP ASSY., (4029107) FUEL INJECTION, MULTI-PLUNGER, (GE) TYPE GOVERNOR, THROTTLE AND STOP LEVERS, HYDRAULIC RETARD DEVICE, EXTENDED CAMSHAFT DRIVE AND WITH TORQUE CAPSULE SMOKE STOP ASSY. (ENGINE 4028881)	
0919224		5	CAPSCREW, 3/8 NC X 1-1/8	
4020145		5	WASHER	
4371118		1	COVER-TACH DRV	
4367090		1	WSHR-TACH CVR	

ALL SERVICE PUMPS ARE FACTORY CALIBRATED.  
 FUEL PUMP KIT 4029968 MAY BE USED WHERE  
 REBUILD FACILITIES ARE AVAILABLE.



E-2238.

REF 4028896, 4028900, 4029102  
 FUEL INJECTION PUMP  
 PRDR TO ENGINE S/N 3D19629

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4029536	1	PUMP ASSY., (4029103) FUEL INJECTION, MULTI-PLUNGER, (GE) TYPE GOVERNOR, THROTTLE & STOP LEVERS, HYDRAULIC RETARD DEVICE, EXTENDED CAMSHAFT DRIVE AND WITH TORQUE CAPSULE SMOKE STOP ASSY. (ENGINE 4028883)	
1	4029534	1	PUMP ASSY., (4029105) FUEL INJECTION, MULTI-PLUNGER, (GE) TYPE GOVERNOR, THROTTLE AND STOP LEVERS, HYDRAULIC RETARD DEVICE, EXTENDED CAMSHAFT DRIVE AND WITH SOLID SMOKE STOP. (ENGINE 4028880)	
1	4029535	1	PUMP ASSY., (4029107) FUEL INJECTION, MULTI-PLUNGER, (GE) TYPE GOVERNOR, THROTTLE AND STOP LEVERS, HYDRAULIC RETARD DEVICE, EXTENDED CAMSHAFT DRIVE AND WITH TORQUE CAPSULE SMOKE STOP ASSY. (ENGINE 4028881)	
	0919224	5	CAPSCREW, 3/8 NC X 1-1/8	
	4020145	5	WASHER	
	4371118	1	COVER-TACH DRV	
	4367090	1	WSHR-TACH CVR	

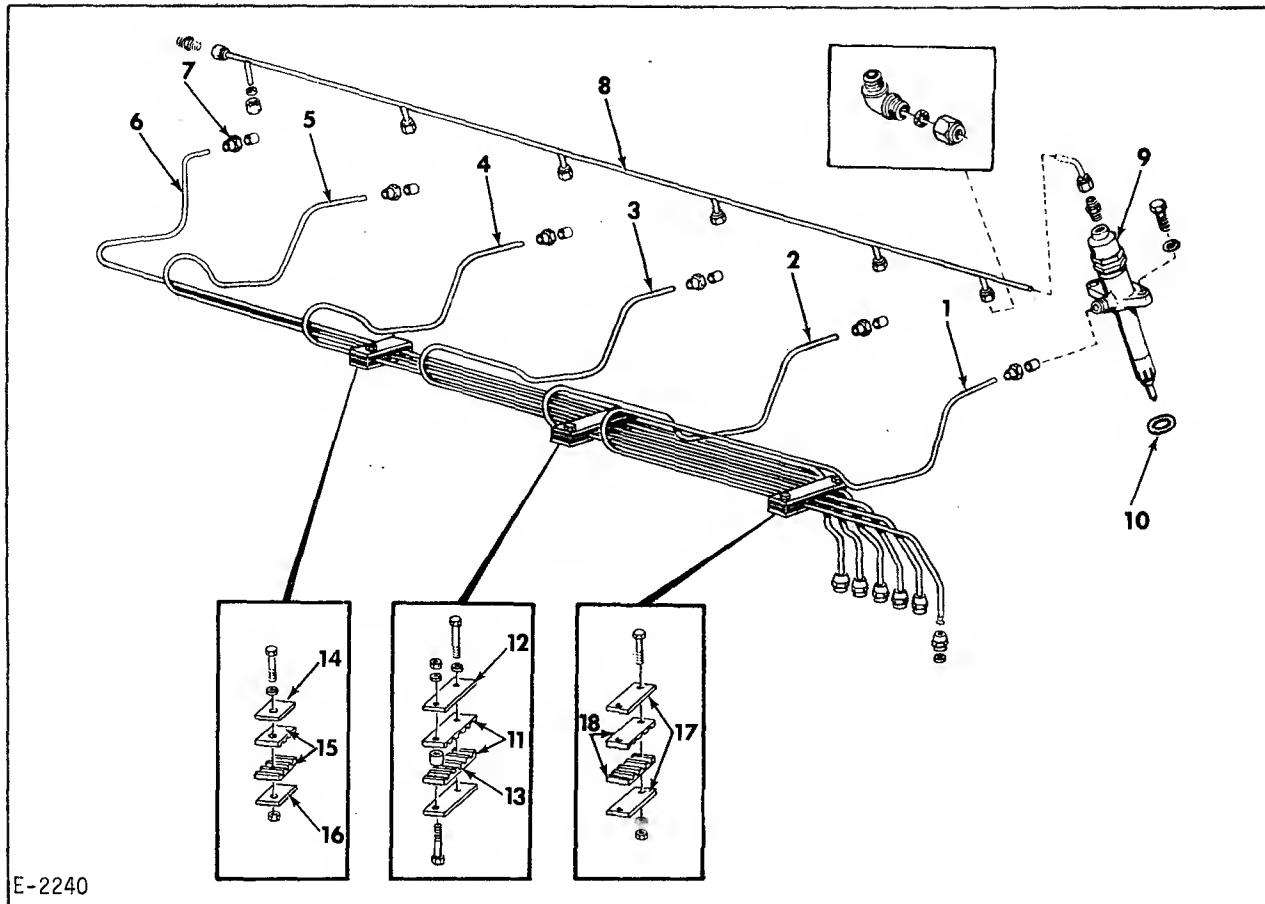
NOTE- ALL SERVICE PUMPS ARE FACTORY CALIBRATED.

FUEL PUMP KIT 4029968 MAY BE USED WHERE REBUILD FACILITIES ARE AVAILABLE.

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
2	4028901	1	TUBE ASSY., OIL SUPPLY, (INCLUDES NUTS AND SLEEVES INDENTED BELOW)	
	0917806	2	SLEEVE, 1/4 O.D. TUBE	
	0917809	2	NUT, 1/4 O.D. TUBE	
3	4023883	1	CONNECTOR	
4	4023882	1	ADAPTER	
	0926328	2	WASHER (COPPER)	
5	4023557	1	CONNECTOR, TUBE TO ADAPTER (INCLUDES C-RING)	
	0921881	1	C-RING	
6	4023884	1	TUBE ASSY., TO HYDRAULIC RETARD (INCLUDES NUTS AND SLEEVES INDENTED BELOW)	
	0917806	2	SLEEVE, 1/4 O.D. TUBE	
	0917809	2	NUT, 1/4 O.D. TUBE	
	0928564	1	EL80W (45DEG.) AT RETARD DEVICE	
7	4028716	1	GEAR, PUMP DRIVE	
	0920660	4	CAPSCREW, 5/16 NC X 1-1/2	
	4028076	4	WASHER, FLAT	
8	4028781	1	GASKET, PUMP TO FRONT PLATE.....4029573-5	
9	4061302	1	HYDRAULIC RETARD DEVICE LATE TYPE REPLACES PART 4061036	
10	4029170	1	LEVER THROTTLE SHAFT	
	0930907	1	CAPSCREW, #10 NF	
	0904203	1	LOCKWASHER, #10	
11	4029176	1	SPRING, LEVER	
12	4029173	1	LEVER	
	0910335	1	WASHER, PLAIN, SAE STD., 5/16	
	0927791	1	RING, RETAINER	
13	4060436	1	LEVER, STOP	
14	4060547	1	PUMP, SUPPLY WITH HANC PRIMER	

NOTE- ITEMS 9 THRU 14 ARE COMPONENTS OF FUEL INJECTION PUMP ASSY. REFER TO REPAIR PARTS MANUAL TPL4106

15	4029449	1	TUBE, VENT	
	0924189	1	ELBOW	
	4024258	1	FITTING (AT PUMP)	
	0917809	2	NUT	
	0917806	2	SLEEVE	
16	4023556	1	CONNECTOR, TRANS. PMP INLET (INCL C-RING)	
	0921884	1	O-RING	
	0917807	1	SLEEVE	
	0917810	1	NUT	
17	4029516	1	BRACKET, SUPPORT	
	0916271	2	SCREW 3/8 NC X 1	
	0916197	1	SCREW 7/16 NC X 1-1/4	
	0910287	2	LOCKWASHER 3/8	
	0904207	1	LOCKWASHER 7/16	



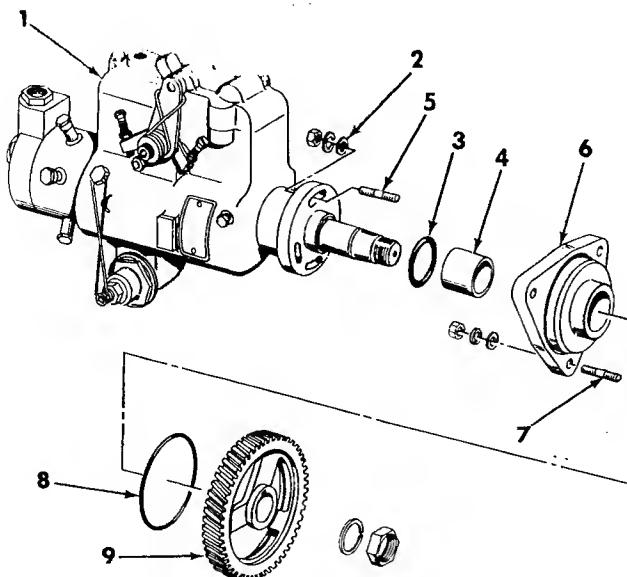
REF 4028619, 4029117  
INJECTION NOZZLE AND LINES  
(MULTI-PLUNGER PUMP)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4028835	1	TUBE, INJECTION (#1 CYLINDER)	
2	4028836	1	TUBE, INJECTION (#2 CYLINDER)	
3	4028837	1	TUBE, INJECTION (#3 CYLINDER)	
4	4028838	1	TUBE, INJECTION (#4 CYLINDER)	
5	4028839	1	TUBE, INJECTION (#5 CYLINDER)	
6	4028840	1	TUBE, INJECTION (#6 CYLINDER)	
7	4504409 4501149	12	NUT, INJECTION TUBE SLEEVE, ERMETO,	
8	4028871 0917809 0917806 0920242 0924189	1 9 9 1 1	TUBE, DRIP MANIFOLD NUT, 1/4 O.D. TUBE SLEEVE, 1/4 O.D. TUBE CONNECTOR (BODY), 1/4 TUBE, 1/4 NPT ELBOW-VENT TUBE CONN.	
9	4029013	6	NOZZLE HOLDER ASSY. (MCDEL 3500) *	
9	4023568 0917135 0904205	6 12 12	NOZZLE-HOLDER ASSY. (MCDEL 3400) * CAPSCREW, 5/16 NC X 1-5/8 LOCKWASHER, 5/16	

NOTE - \* NOT SERVICED SEPARATELY-SEE DETAILS

REF 4028619, 4029117 (CONTINUED)  
 INJECTION NOZZLE AND LINES  
 (MULTI-PLUNGER PUMP)

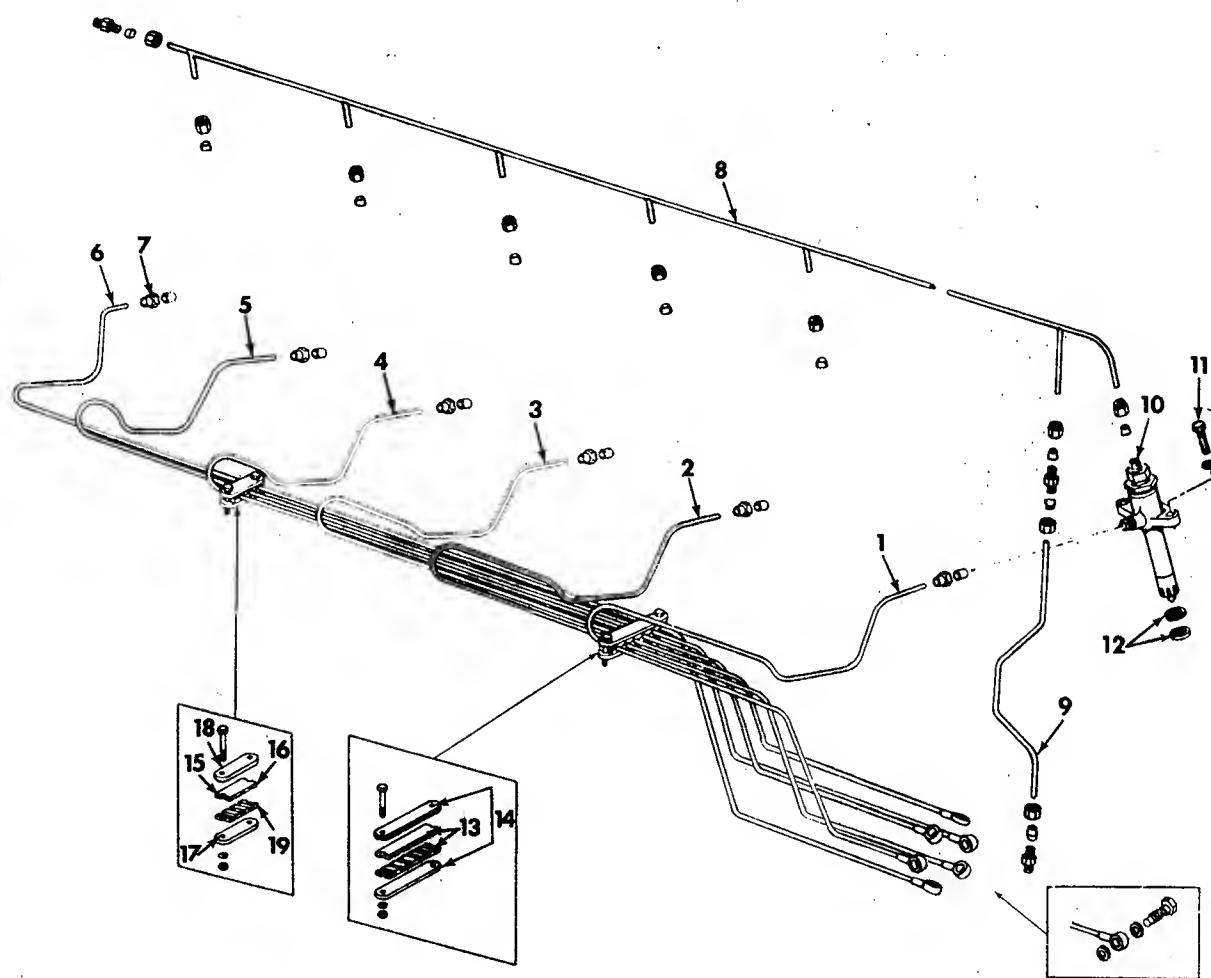
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
10	4025385	12	SHIELD, DUST, NOZZLE HOLDER	
11	4336532	2	SPACER, RUBBER INJECTION TUBE CLAMP	
12	4029052 0915807 0916279 0904205 0910323	2 1 1 2 1	CLAMP, INJECTION TUBE CAPSCREW, 5/16 NC X 1-1/4 CAPSCREW, 5/16 NC X 1-1/2 LOCKWASHER, 5/16 NUT, 5/16 NC	
13	4031159	1	SPACER, CLAMP	
14	4029083 0914392 0904205 0910323	1 1 1 1	PLATE, CLAMP, INJECTION TUBE CAPSCREW, 5/16 NC X 1 LOCKWASHER, 5/16 NUT, 5/16 NC	
15	4029084	2	SPACER, RUBBER CLAMP PLATE	
16	4029253	1	PLATE, INJECTION LINE	
17	4029255 0915807 0904205 0910323	2 2 2 1	PLATE, INJECTION LINE CAPSCREW, 5/16 NC X 1-1/4 LOCKWASHER, 5/16 NUT, 5/16 NC	
18	4029254	2	SPACER, RUBBER	



E-2239

REF 4029548, 4029551  
**FUEL INJECTION PUMP**  
(DISTRIBUTOR TYPE)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4029552	1	PUMP, FUEL INJ. (1500/1800 RPM) 3.5-5% REGULATION WITH 12 V, ETR SOLENOID, (MODEL 3500 ENGINE #4028884)	
2	4371718 0910324 0910287	2	WASHER, PUMP STUD NUT, 3/8 NC	
3	4048596	1	LOCKWASHER	
4	4025249	1	SEAL, PILOT (PART OF ITEM 1)	
5	4025250	1	BUSHING, ADAPTER	
6	4026004	1	ADAPTER ASSY, FUEL PUMP (INCL. ITEMS 4 & 5)	
7	----- 0913544 0910287 0910123	3	STUD, ADAPTER MOUNTING (SEE FRONT PLATE) WASHER, PLAIN, 13/32 LOCKWASHER, 3/8 NUT, 3/8 NF	
8	4255661	1	D-RING, ADAPTER.....	4029573-5
9	4025303	1	GEAR, FUEL PUMP DRIVE	



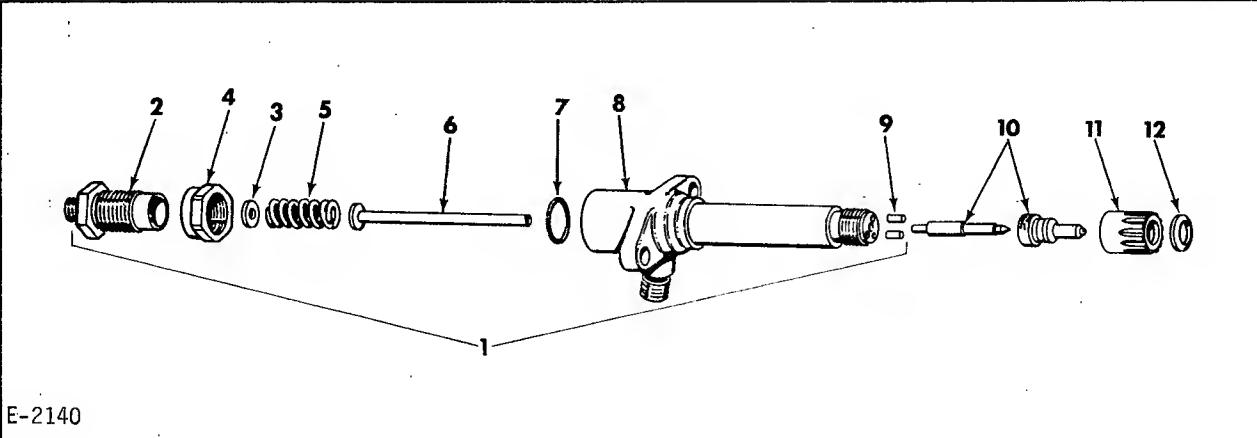
E-2241

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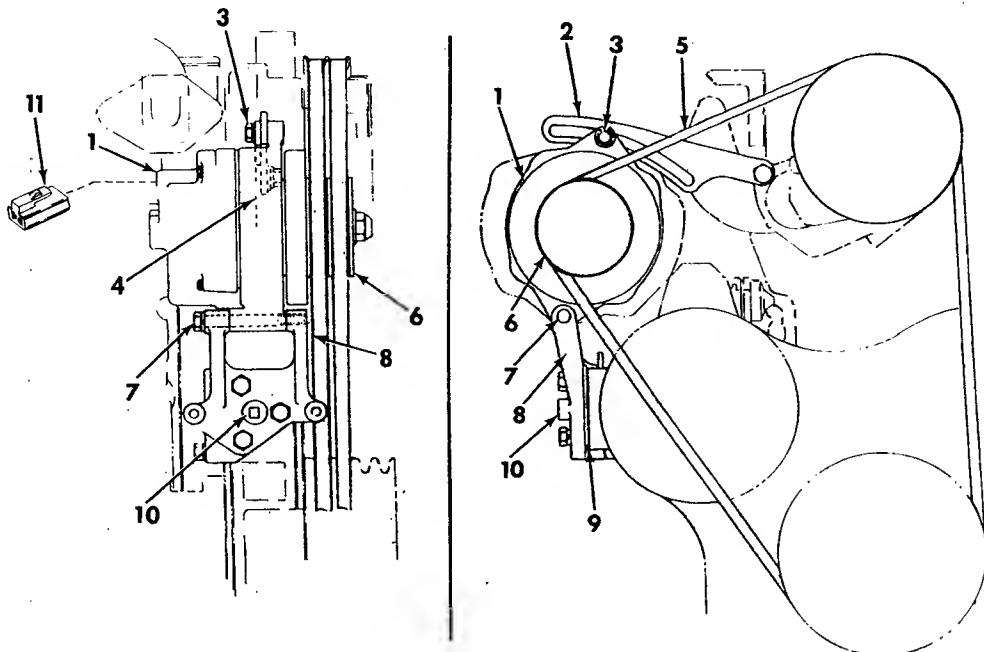
REF 4029550, 4029553 (CONTINUED)  
 NOZZLE HOLDER & INJECTION TUBES  
 FOR DISTRIBUTOR TYPE PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4029479	1	TUBE ASSY., INJECTION (#1 CYLINDER)	
2	4029480	1	TUBE ASSY., INJECTION (#2 CYLINDER)	
3	4029481	1	TUBE ASSY., INJECTION (#3 CYLINDER)	
4	4029482	1	TUBE ASSY., INJECTION (#4 CYLINDER)	
5	4029483	1	TUBE ASSY., INJECTION (#5 CYLINDER)	
6	4029484	1	TUBE ASSY., INJECTION (#6 CYLINDER)	
	4027748	12	WASHER SEALING	
	4369451	6	SCREW, FUEL LINE CONNECTOR	
7	4504409	6	NUT, INJECTION TUBE	
	4501149	6	SLEEVE, ERMETO, 1/4 OD TUBE	
8	4028871	1	TUBE, DRIP MANIFOLD	
	0917809	10	NUT, 1/4 OD TUBE	
	0917806	10	SLEEVE, 1/4 OD TUBE	
	0919800	1	CONNECTOR, 1/4 OD TUBE (AT F.I.P.)	
	0920242	1	CONNECTOR 1/4 OD TUBE (RETURN CONNECTOR TO TANK)	
9	4028870	1	TUBE, FUEL RET. (PUMP TO DRIP MFO)	
	0921534	1	UNION (TUBE TO TUBE)	
10	4028860	6	NOZZLE-HOLDER ASSY. (3500) NOT SERVICED, SEE NOZZLE-HOLDER DETAILS	
11	0917135	12	CAPSCREWS 5/16 NC X 1-5/8	
	0904205	12	LOCKWASHER	
12	4025385	12	SHIELD, DUST, NOZZLE HOLDER	
13	4029487	2	SPACER, RUBBER INJECTION TUBE CLAMP	
14	4029052	2	BRACKET, INJECTION TUBE CLAMP	
	0915807	1	CAPSCREW, 5/16 NC X 1-1/4	
	0916279	1	CAPSCREW, 5/16 NC X 1-1/2	
	0904205	2	LOCKWASHER, 5/16	
	0910323	1	NUT, 5/16 NC	
15	4031159	1	SPACER, CLAMP	
16	4029084	1	SPACER, RUBBER CLAMP PLATE	
17	4029486	1	BRACKET INJECTION LINE (3,4,5,6)	
18	4029052	1	BRACKET, INJECTION LINE (3,4,5,6)	
	0914392	2	CAPSCREW, 5/16 NC X 1	
	0904205	2	LOCKWASHER 5/16	
19	4336532	2	SPACER, RUBBER (LINES 3,4,5&6)	



NOZZLE-HOLDER ASSEMBLY  
 4023568 (.3100 PSI NOZZLE OPENING PRESSURE)  
 4028860 (.3150 PSI NOZZLE OPENING PRESSURE)  
 4029013 (.3850 PSI NOZZLE OPENING PRESSURE)

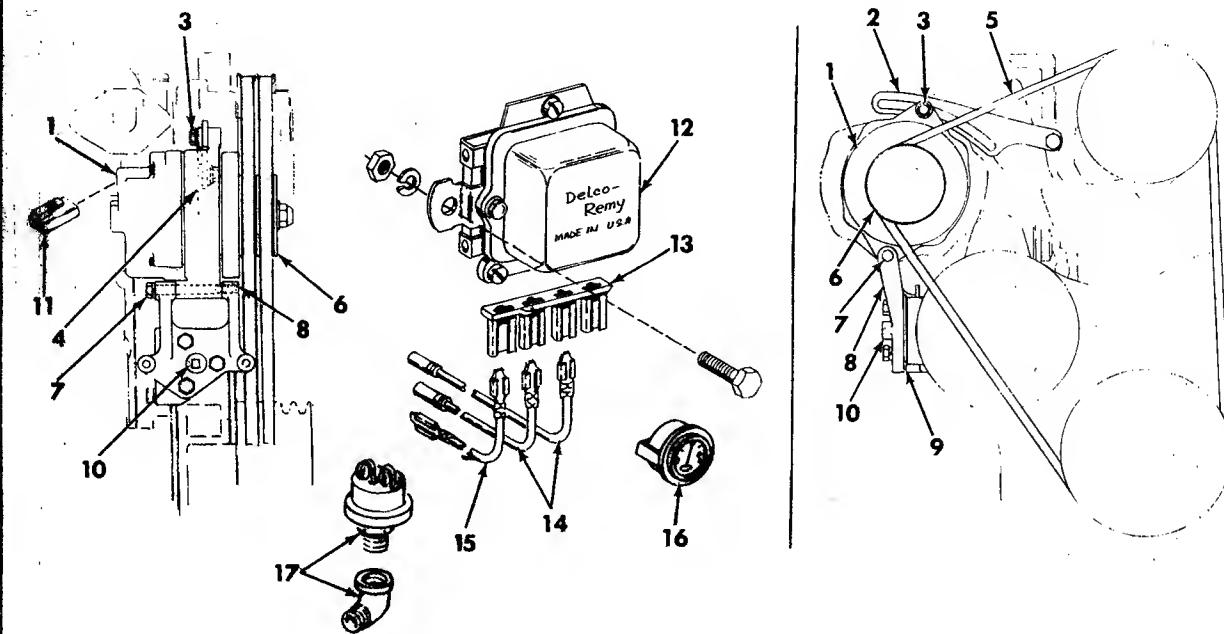
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
NOTE- QUANTITIES INDICATED ARE FOR ONE (1) ASSY. ONLY				
1	4060859	1	HOLDER ASSY., (INCLUDES ITEMS 2 THRU 9 AND 11)	
2	4023570	1	SCREW, PRESSURE ADJUSTING	
3	4023571	1	WASHER, SPRING	
4	4511213	1	NUT, LOCK	
5	4380652	1	SPRING, PRESSURE ADJUSTING	
6	4025148	1	ROD, SPINDLE	
7	0930506	1	O-RING, SCREW	
8	-----	1	BODY, NOZZLE HOLDER (ORDER ITEM 1)	
9	4025149	2	PIN, DOWEL	
10	4027882	1	NOZZLE ASSY. (INCLUDES ITEM 12) (4028860) (.35MM ORIFICE)	
10	4022903	1	NOZZLE ASSY. (INCLUDES ITEM 12) (4023568) (.32MM ORIFICE)	
10	4029014	1	NOZZLE ASSY. (INCLUDES ITEM 12) (4029013) (.375MM ORIFICE)	
11	4025146	1	NUT, NOZZLE RETAINING	
12	4025150	1	GASKET, NOZZLE HOLDER TO CYL. HD....4029572-7	



E-2244

ALTERNATOR AND MOUNTING  
LESS REGULATOR AND AMMETER  
(4029346)(4029355)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4028963	1	ALTERNATOR ASSY., 12 VOLT, 40 AMP (4029355) DELCO REMY #1100059	
1	4027733	1	ALTERNATOR ASSY., 12 VOLT, 58 AMP.,(4029346) DELCO REMY #1100063	
2	4516431 0916275 0922465 0910287	1 1 1 1	BRACE, ADJUSTING CAPSCREW, 3/8 NC X 3-3/4 WASHER, PLAIN, 3/8 LOCKWASHER, 3/8	
3	0915807 0904205 0927452	1 1 1	CAPSCREW, 5/16 NC X 1-1/4 LOCKWASHER, 5/16 WASHER, PLAIN, 5/16	
4	4029378	1	WASHER, SPACER	
5	4028468	1	BELT SET (MATCHED SET OF TWO)	
6	4028905	1	PULLEY, TWO GROOVE	
7	0916275 0910287	1 1	CAPSCREW, 3/8 NC X 3-3/4 LOCKWASHER, 3/8	
8	4029361 4029361 0919225 0910287	1 1 3 4	BRACKET, MOUNTING CAPSCREW, 3/8 NC X 1 3/4 CAPSCREW, 3/8 NC X 1-3/8 LOCKWASHER, 3/8	
9	4029053	1	GASKET, MOUNTING BRACKET.....4029573-5	
10	0904224	1	PLUG, PIPE, 3/4 NPTF	
11	4255545	1	CONNECTOR, DELCOTRON	



E-2245

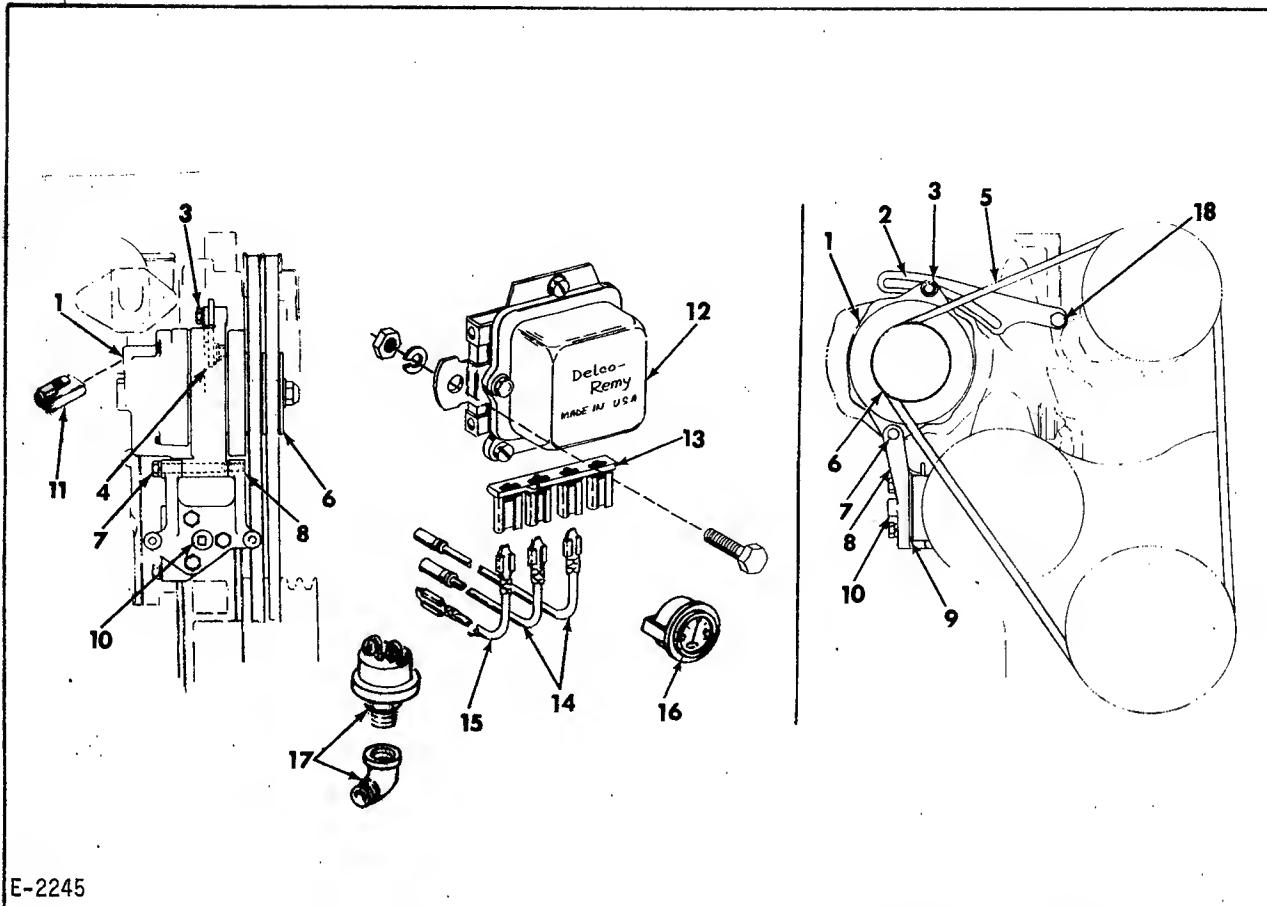
REF 4029394  
**ALTERNATOR AND MOUNTING  
 WITH REGULATOR AND AMMETER  
 (4025862) (4401726 OMISSION)  
 (4024705) (4024777 OMISSION)**

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4028963	1	ALTERNATOR ASSY., 12 VOLT, 40 AMP., DELCO-REMY #1100059	
2	4516431 0912069 0922465 0910287	1 1 1 1	BRACE, ADJUSTING CAPSCREW, 3/8 NC X 2-1/2 WASHER, PLAIN, 3/8 LOCKWASHER, 3/8	
3	0915807 0904205 0927452	1 1 1	CAPSCREW, 5/16 NC X 1-1/4 LOCKWASHER, 5/16 WASHER, PLAIN, 5/16	
4	4353370	1	WASHER, SPACER	
5	4028468	1	BELT SET (MATCHED SET OF TWO)	
6	4028905	1	PULLEY, TWO GROOVE	
7	0916275 0910287	1 1	CAPSCREW, 3/8 NC X 3-3/4 LOCKWASHER, 3/8	
8	4029368 0919225 0910287 0916273	1 3 4 1	BRACKET, MOUNTING CAPSCREW, 3/8 NC X 1-3/8 LOCKWASHER, 3/8 CAPSCREW, 3/8 NC X 1-3/4	
9	4029053	1	GASKET, MOUNTING BRACKET.....4029573-5	

REF 4029394 (CONTINUED)  
 ALTERNATOR AND MOUNTING  
 WITH REGULATOR AND AMMETER  
 (4025862) (4401726 OMISSION)  
 (4024705) (4024777)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
10	0904224	1	PLUG, PIPE, 3/4 NPTF	
11	4255545	1	CONNECTOR, DELCOTRON	
12	0243986	1	REGULATOR ASSY., NEG. GRD., LESS MTG. KIT	
	0243987	1	MOUNTING KIT	
	0918237	2	CAPSCREW, 1/4 NC X 1-1/4	
	0904204	2	LOCKWASHER, 1/4	
	0910880	2	NUT, 1/4 NC	
13	4255432	1	CONNECTOR, AT V.R.	
14	4025662	2	WIRE ASSY, REGULATOR TO KEY SWITCH & AMMETER	
15	4025661	1	WIRE ASSY, ALTERNATOR FIELD TO REGULATOR	
16	3048619	1	AMMETER 12 V. 0-60 AMP. (4024705) (4025862) <small>OMISSION GROUP 4024777 4401726 PROVIDES FOR FACTORY    REMOVAL</small>	
17	3009981	1	SWITCH, 3 TO 6 LBS. PRESSURE	
	0907059	1	ELBOW	

NOTE- 1. STANDARD ON ENGINE 4028880 AND  
 ON ENGINE 4028881 PRIOR TO S/N 3D18118



E-2245

REF 4029811  
**ALTERNATOR AND MOUNTING  
 WITH REGULATOR AND AMMETER**  
 (4025862) (4401726 OMISSION (4029577) (4035164)  
 (4024705) (4024777 OMISSION)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4028963	1	ALTERNATOR ASSY., 12 VOLT, 40 AMP., DELCO-REMY #1100059	
2	4516431 0912069 0913544 0910287	1 1 1 1	BRACE, ADJUSTING CAPSCREW, 3/8 NC X 2-1/2 WASHER LOCKWASHER	
3	0915807 0904205 0927589	1 1 1	CAPSCREW, 5/16 NC X 1-1/4 LOCKWASHER WASHER	
4	0927452	1	WASHER, SPACER	
5	4035068	1	BELT SET (4029577) (4035164) (REQUIRES WATER PUMP PULLEY 4029329)	
5	4035071	1	BELT SET STD. 1.24:1 DRIVE RATIO	
6	4028905	1	PULLEY, TWO GROOVE	
7	0916275 0910287	1 1	CAPSCREW, 3/8 NC X 3-3/4 LOCKWASHER	
8	4029368 0914847 0910287	1 4 4	BRACKET, MOUNTING CAPSCREW, 3/8 NC X 1 1/2 LOCKWASHER	

REF 4C29811 (CONTINUED)  
 ALTERNATOR AND MOUNTING  
 WITH REGULATOR AND AMMETER  
 (4025862) (4401726 OMISSION (4029577) (4035164)  
 (4035305 ALT, REG, & AMMETER OMISSION) (4024705) (4024777 OMISSION)

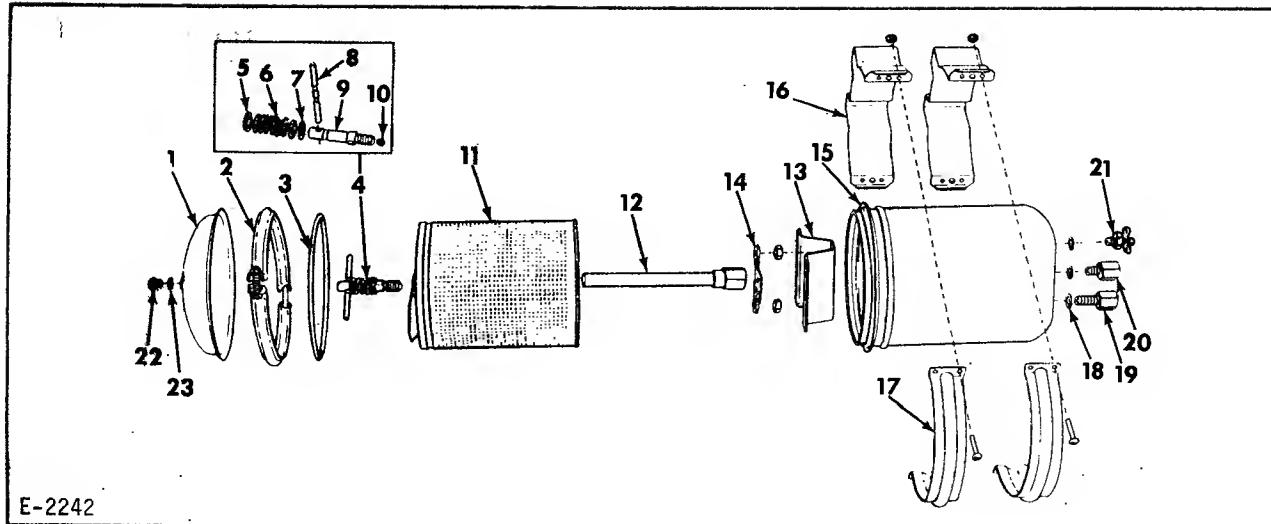
ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
9	4029053	1	GASKET, MOUNTING BRACKET.....	4029573
10	0904224	1	PLUG, PIPE, 3/4 NPT	
11	4255545	1	CONNECTOR, DELCOTRON	
12	0243986	1	REGULATOR ASSY., NEG. GRD., LESS MTG. KIT	
	0243987	1	MOUNTING KIT	
	0918237	2	CAPSCREW, 1/4 NC X 1-1/4	
	0904204	2	LOCKWASHER	
	0910880	2	NUT	
13	4255432	1	CONNECTOR, AT V.R.	
14	4025662	2	WIRE ASSY, REGULATOR TO KEY SWITCH & AMMETER	
15	4025661	1	WIRE ASSY, ALTERNATOR FIELD TO REGULATOR	
16	3048619	1	AMMETER 12 V. 0-60 AMP CL23892 (4024705) (4025862) OMISSION GROUP 4024777 4401726 PROVIDES FOR FACTORY REMOVAL	
17	3009981 0907059	1 1	SWITCH, 3 TO 6 LBS., PRESSURE ELBOW	

ALTERNATOR, REGULATOR & AMMETER OMISSION GROUP 4035305 PROVIDES FOR FACTORY REMOVAL  
 OF ITEMS 1, 2, 3, 4, 6, 7, & 11 thru 17.

THE ITEMS FURNISHED ARE:

5	4035071	1	BELT SET
8	4029368 0914847 0910287	1 4 4	BRACKET, MOUNTING CAPSCREW, 3/8 NC X 1 1/2 LOCKWASHER
9	4029053	1	GASKET
10	0904224	1	PLUG, PIPE 3/4 NPT
18	0910948 0910287	1 1	CAPSCREW, 3/8 NC X 2 LOCKWASHER

NOTE- STANDARD ON ENGINE 4028884  
 AND ON ENGINE 4028881 EFF. WITH S/N 3018118



E-2242

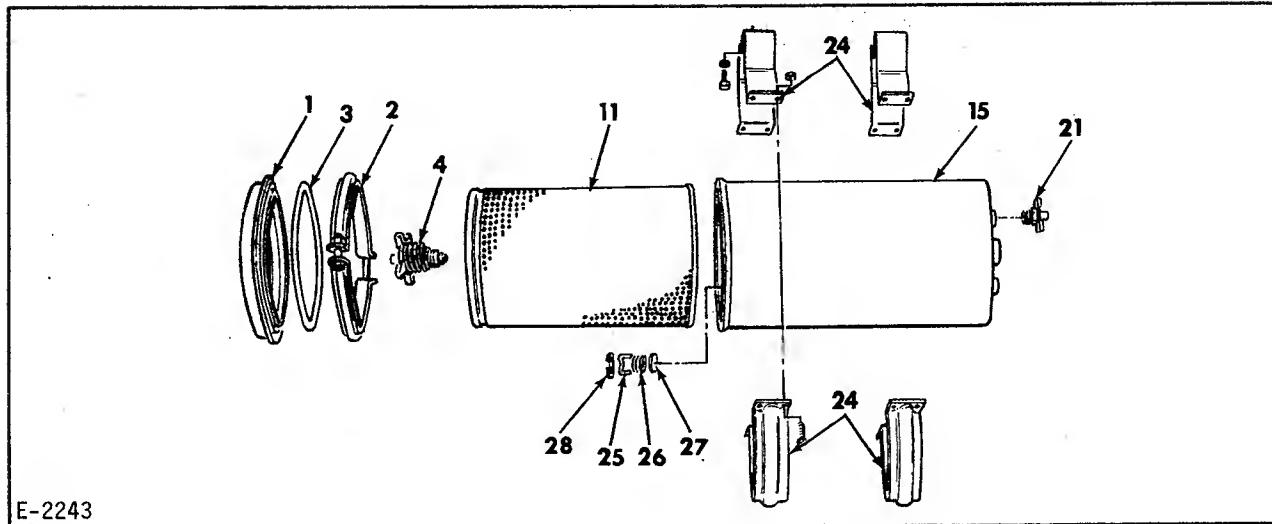
OIL FILTER (BY-PASS TYPE) (4027873)  
(OMISSION GROUP 4028241)  
THIS FILTER ASSY IS AVAILABLE IN TWO DESIGNS  
CHECK WHICH IS APPLICABLE TO YOUR UNIT AND  
ORDER SERVICE PARTS ACCORDINGLY.

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
-	4027739	*	FILTER ASSY. TYPE 'A' DESIGN (INCLUDES ITEMS 1 THRU 23) ("LUBER-FINER")	
1	0082505	1	COVER	
2	0630540	1	RING ASSY. (INCLUDES NUT AND BOLT)	
3	0082449	1	GASKET	
4	0082493	1	HOLD-DOWN ASSY. (INCLUDES ITEMS 5 THRU 10)	
5	0082489	3	WASHER	
6	0082490	1	SPRING	
7	0082487	1	SEAL	
8	0082488	1	HANDLE	
9	-----	1	STUD (NOT SERVICED SEPARATELY)	
10	0082491	1	PLUG	
11	4059373	1	ELEMENT	
12	0076668	1	TUBE ASSY. (INCLUDES NUT)	
13	0096816 0911049	1 2	SUPPORT NUT, JAM, 5/8 NF	
14	0096815	1	RETAINER	
15	-----	1	HOUSING (NOT SERVICED SEPARATELY)	
16	0082444	2	BRACKET	
17	0082443 0900576 0911024	2 8 8	BAND CAPSCREW, 1/4 NC X 3/4 NUT, 1/4 NC	

OIL FILTER (BY-PASS TYPE) (4027873) (CONTINUED)  
(OMISSION GROUP 4028241)  
THIS FILTER ASSY IS AVAILABLE IN TWO DESIGNS  
CHECK WHICH IS APPLICABLE TO YOUR UNIT AND  
ORDER SERVICE PARTS ACCORDINGLY.

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
18	0063891	3	GASKET	
19	0063890	1	VALVE ASSY. (INCLUDES 1 SPRING, 1 RING, 1 CUP. SERVICED ONLY AS A UNIT)	
20	0080758	1	VALVE ASSY. (INCLUDES 1 SPRING, 1 RING, 1 CUP, SERVICED ONLY AS A UNIT)	
21	4060755	1	COCK	
22	0084897	1	PLUG	
23	0084899	1	WASHER	

NOTE- OIL FILTER OMISSION GROUP 4028241 PROVIDES FOR  
FACTORY REMOVAL FROM ENGINE 4028883



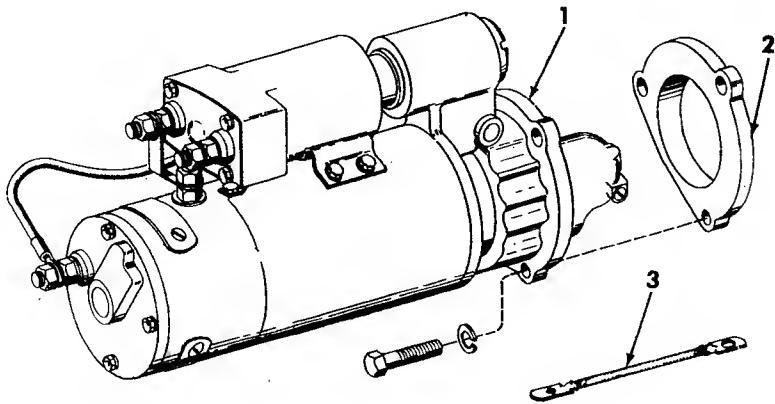
E-2243

**OIL FILTER (BY-PASS TYPE) (4027873)**  
**(OMISSION GROUP 4028241)**

THIS FILTER ASSY IS AVAILABLE IN TWO DESIGNS  
 CHECK WHICH IS APPLICABLE TO YOUR UNIT AND  
 ORDER SERVICE PARTS ACCORDINGLY

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
-	4027739	*	FILTER ASSY. TYPE '8' DESIGN (INCLUDES ITEMS 1 THRU 4,11,15,21,24 THRU 28) ("FLEETGUARD")	
1	4059813	1	COVER	
2	4059814	1	COUPLING ASSY. (INCLUDES HARDWARE.)	
3	0926772	1	GASKET	
4	4059802	1	SUPPORT ASSY. (INCLUDES O-RING.)	
11	4059373	1	ELEMENT	
15	-----	1	SHELL	
21	4060693	1	COCK	
24	4059817	2	BRACKET ASSY. (2-PIECE, INCLUDES HARDWARE.)	
25	4059810	1	CAGE	
26	4059811	1	SPRING	
27	4059812	1	DISC	
28	4253555	1	RING	

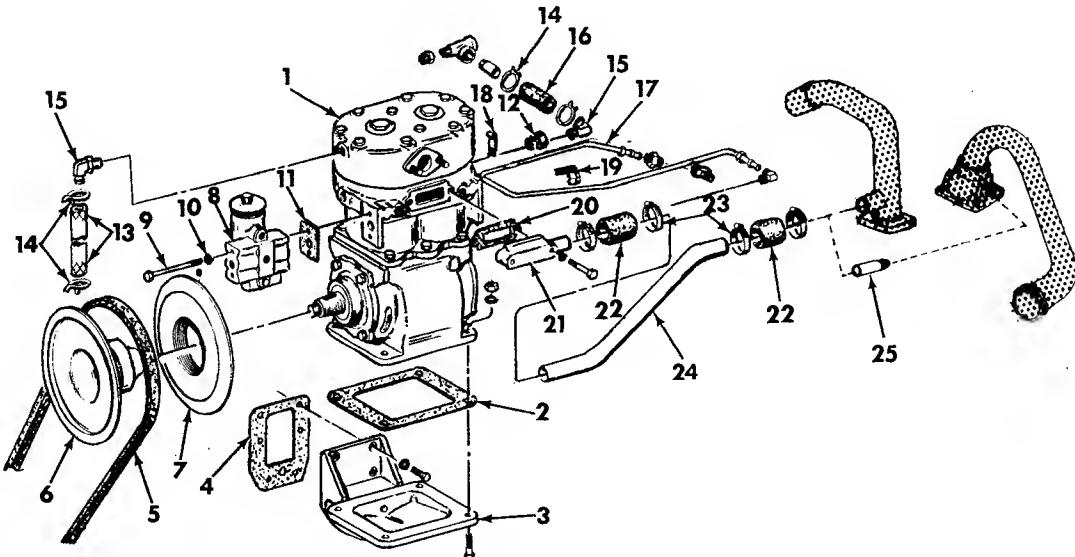
NOTE- OIL FILTER OMISSION GROUP 4028241 PROVIDES FOR  
 FACTORY REMOVAL FROM ENGINE 4028883



E-2246

STARTER, (CRANKING MOTOR)  
(4027621) (4028240)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4354481	1	STARTER, (CRANKING MOTOR) (4027621) 12 VOLT, D.R. 1114098 SERVICES #1114055	
2	4025470 0914876 0904209	1 3 3	ADAPTER CAPSCREW 5/8 NC X 2-1/2 LOCKWASHER, 5/8	
3	4027579	1	CABLE, GROUND	
1	4028068	1	STARTER (CRANKING MOTOR) (4028240) 12 VOLT (POSITORQUE) D.R. 1114165	
2	4025470 0914876 0904209	1 3 3	ADAPTER CAPSCREW 5/8 NC X 2-1/2 LOCKWASHER 5/8	
3	4027579	1	CABLE, GROUND	



E-2247

AIR COMPRESSOR (AS USED ON ENG 4028883)  
(4029347) (4029350) (4029351)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4358580	1	COMPRESSOR AIR (12 CU. FT. (4029351) (4025983) LESS GOVERNOR	
1	4358577	1	COMPRESSOR, AIR (7-1/4 CU. FT.) (4029347) (4025601) LESS GOVERNOR	
	0916255	4	CAPSCREW, 7/16 NC X 1-3/4	
	0904207	4	LOCKWASHER, 7/16	
	0912201	4	NUT, 7/16 NC	
2	4040305	1	GASKET, BASE	
3	4025979	1	BRACKET, AIR COMPRESSOR	
	0916197	6	CAPSCREW, 7/16 NC X 1-1/8	
	0904207	6	LOCKWASHER, 7/16	
4	4025622	1	GASKET, COMPRESSOR BRACKET.....4029573-5	
5	4029380	1	BELT, COMPRESSOR DRIVE	
6	4029376	1	PULLEY, STATIONARY HALF	
7	4025653	1	PULLEY, ADJUSTABLE HALF	
	0914383	3	SETScrew, 3/8 NC X 1/2	
8	4389823	1	GOVERNOR ASSY., (12 CU. FT.) 105/125 PSI (4029351)	
8	4056278	1	GOVERNOR ASSY. (7-1/4 CU. FT.) 90/105 PSI (4029347)	
	4055341	2	CAPSCREW	
	0904205	2	LOCKWASHER, 5/16	
11	4040345	1	GASKET, GOVERNOR	
12	0921727	1	ADAPTER, COMP. WATER INLET 3/8 DRY SEAL	
13	4704244 0925053	1	HOSE, WATER OUTLET FITTING, AT ENGINE WATER INLET PIPE	

AIR COMPRESSOR (AS USED ON ENG 4028683) (CONTINUED)  
 (4029347) (4029350) (4029351)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
14	4254156	4	CLAMP, HCSE	
15	4255286	2	ELBOW, WATER INLET AND OUTLET (4029347)	
15	0927198	1	ELBOW, 90 DEG., WATER INLET (4029351)	
16	4372378	1	HOSE, WATER INLET AS USED W/FIRST TYPE WATER FILTER PRIOR TO 3D21088	
	0928602	1	NIPPLE, 3/8 X 1	
	0913257	1	TEE, 3/8	
	0904271	1	BUSHING, REDUCING, 1/2 X 3/8	
16	4371891	1	HOSE, WATER INLET (EFF WITH SN 3D21088 FOR USE WITH SECOND TYPE WATER FILTER	
	4255286	1	ELBOW	
	0904271	1	BUSHING, REDUCER, 1/2 X 3/8	
17	4029247	1	TUBE ASSY. OIL FEED (INCLUDES NUTS AND SLEEVE INDENTED BELOW)	
	0917809	2	NUT, IMPERIAL, 1/4 TUBE	
	0917806	2	SLEEVE, IMPERIAL, 1/4 TUBE	
	0919040	1	ELBOW, 90 DEG., 1/4 TUBE, 1/8 NPT MALE	
18	4716090	1	CLAMP, OIL LINE (AT TIMING GEAR COVER)	
19	4025634	1	CLIP, OIL LINE (AT WATER INLET PIPE)	
20	4040341	1	GASKET, AIR INLET ADAPTER	
21	4338174	1	ELBOW, AIR INLET	
	0916280	2	CAPSCREW, 5/16 NC X 2	
	0917330	2	WASHER, PLAIN, 11/32 I.D. (COPPER)	
22	4650229	2	HOSE, AIR INLET	
23	0922660	4	CLAMP, AIR INLET HOSE	
24	4027909	1	TUBE, COMPRESSOR AIR INLET.	
24	4025603	1	TUBE, COMPRESSOR AIR INLET. (USED WHEN OPL. GP. 4029350 IS SPECIFIED)	
25	0913230	1	NIPPLE, HOSE TO CROSSCOVER PIPE	

GASKET KITS & PACKAGED PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
1	4029572	*	GASKET KIT, CYLINDER HEAD (TOP DOWN)	
	4026579	1	GASKET, INTAKE MANIFOLD	
	4027014	6	GASKET, EXHAUST MANIFOLD	
	4025101	1	GASKET, THERMOSTAT HOUSING, LOWER	
	4027024	1	GASKET, THERMOSTAT HOUSING, UPPER	
	4025106	1	GASKET, WATER INLET PIPE	
	4025101	1	GASKET, WATER OUTLET PIPE	
	4027598	1	GASKET ASSY., CYLINDER HEAD	
	4025472	1	GASKET, CYLINDER HEAD COVER	
	4025150	6	GASKET, INJECTION NOZZLE	
	4025376	1	GASKET, AIR OUTLET ELBOW	
	4025385	12	DUST SHIELD, INJECTION NOZZLE	
	4025781	1	GASKET, TURBO MOUNTING	
	4339532	1	GASKET, OIL DRAIN TUBE	
	0928049	6	O-RING, NOZZLE BODY	
	4255983	2	SLEEVE, OIL FEED LINE	
	4512343	1	GASKET, AIR HTR. ELE.	
	4338943	1	GASKET, DIFFUSER	
	4029324	1	GASKET, OUTLET FLGE.	
	4029327	1	GASKET, INLET PIPE	
2	4029573	*	GASKET KIT, INTERMEDIATE (3500) AND (3400)	
	0923664	4	O-RING, OIL COOLER	
	4025019	1	GASKET, COVER PLATE	
	4025021	2	GASKET, COVER PLATE	
	4027752	1	GASKET, FRCNT PLATE	
	4027751	1	GASKET, FRONT COVER	
	4026548	1	GASKET, INSPECTION PLATE	
	4026549	1	GASKET, COVER PLATE	
	4025097	1	O-RING, REAR PLATE	
	4020879	1	O-RING, REAR PLATE	
	4025106	1	GASKET, INLET PIPE	
	4025120	2	GASKET, OIL FILTER	
	4025343	1	GASKET, COVER	
	4025367	1	GASKET, OIL COOLER	
	4025622	1	GASKET, COMPRESSOR BRACKET	
	0923971	1	O-RING, W.P. TO VCLUTE	
	4029299	1	GASKET, HSG. INSP. COVER	
	4028820	1	GASKET, FILTER TO COOLER	
	4028822	1	GASKET, CLR. HSG. TO ELBOW	
	4028823	1	GASKET, CLR. ELB. TO BLOCK	
	4028997	1	GASKET, BONNET	
	4028063	1	GASKET, COOLER UPPER	
	4028064	1	GASKET, COOLER LOWER	
	4028074	2	GASKET, COOLER FLGE.	
	4029053	1	GASKET, ALTERNATOR BRKT.	
	4025632	2	GASKET, OIL COOLER	
	4028781	1	GASKET, F.I.P. TO PLATE	
	0923637	2	O-RING, OIL COOLER	
	0923621	2	O-RING, FILTER TO CLR.	
	0923934	1	O-RING, HTR. METER DRIVE	
	0923822	1	O-RING, WATER PUMP	
	4026887	1	GASKET, WATER PUMP	
	0923817	1	O-RING, DRIVE HOUSING	
	4255661	1	O-RING, ADAPTOR F.I.P. TO FRONT PLATE	
	0923684	1	O-RING, VOLUTE	
	4056517	1	GASKET, WATER FILTER	
	4025017	1	GASKET, WTR. INLET PAD	
	4349984	1	GASKET, OIL COOLER	
	4029291	1	GASKET, L.G. FILTER TO BRKT.	
	4027570	1	GASKET, HOUR MTR. HSG.	
	0923814	1	O-RING, COOLER TO BLOCK	
	0923576	1	O-RING, HR. METER HSG.	

GASKET KITS & PACKAGED PARTS (CONTINUED)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
	0923649	2	FLANGE TO COOLER	
	0928366	2	O-RING, FILTER TO COOLER	
3	4029473	*	GASKET KIT, OIL PAN	
	4026602	1	GASKET, OIL PAN	
	0923934	4	O-RING, OIL PUMP TUBES	
	4028070	1	GASKET, OIL PUMP SUCTION	
	0928302	2	O-RING, OIL PUMP TUBES	
4	4029506	*	REPAIR KIT, WATER PUMP	
	-----	1	BEARING AND SHAFT ASSY.	
	4254608	1	RING, SNAP	
	4025710	1	SEAL ASSY.	
	4025067	1	IMPELLER ASSY.	
	0923822	1	O-RING, WATER PUMP TO VOLUTE	
	4026887	1	GASKET	
5	4029284	*	SLEEVE KIT (INCL. PISTON) (FOR 1 CYLINDER)	
			3500 ENGINE	
	4028879	1	SLEEVE, CYLINDER	
	4025015	1	O-RING	
	4028875	2	O-RING	
	4026505	1	PIN, PISTON	
	4254608	2	RETAINER, PISTON PIN	
	4028023	1	PISTON	
	4028036	1	RING SET, PISTON	
6	4029423	*	SLEEVE KIT (INCL. PISTON) (FOR 1 CYLINDER)	
			3400 ENGINE	
	4028879	1	SLEEVE, CYLINDER	
	4025015	1	O-RING	
	4028875	2	O-RING	
	4026505	1	PIN, PISTON	
	4254608	2	RETAINER, PISTON PIN	
	4029137	1	PISTON	
	4028036	1	RING SET, PISTON	
7	4028036	*	RING SET, PISTON (F/I PISTON)	
	-----	1	RING, TOP	
	-----	1	RING, SECOND	
	-----	1	RING, THIRD	
	-----	1	RING, OIL CONTROL	
8	4060745	*	GASKET KIT, ROOSA PUMP	
	4052540	2	SEAL, DRIVE SHAFT	
	4369432	2	WASHER, TORQUE SCREW HOLE PLUG	
	4048596	1	SEAL, PILOT TUBE	
	4048604	2	GASKET, TIMING LINE COVER	
	4369444	1	SEAL, HEAD	
	4050417	1	SEAL, TRANSFER PUMP	
	4369452	1	WASHER, CAM LOCATING SCREW	
	4369595	2	SEAL, END PLATE SLEEVE	
	4369595	2	SEAL, HEAD LOCATING SCREW	
	4030410	2	SEAL, PIVOT SHAFT	
	4369878	1	SEAL, TORQUE SCREW	
	4369878	1	SEAL, SHUT-OFF SHAFT	
	4369878	1	SEAL, THROTTLE SHAFT	
	4369878	1	SEAL, GUIDE STUD	
	4369878	1	SEAL, ADVANCE ADJUSTING SCREW	
	4048630	1	GASKET, CONTROL COVER	
	4369599	1	SEAL, FILTER CAP	
	4369599	1	RING, DRIVE SHAFT	
	4054589	2	SEAL, ADVANCE PISTON HOLE PLUG	
	4061170	2	SEAL, ADVANCE PISTON HOLE PLUG	
	4054585	1	SEAL, ADVANCE SCREW HOLE PLUG	
	4051365	1	SEAL, LOW IDLE SCREW	

GASKET KITS & PACKAGED PARTS (CONTINUED)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
	4048650	1	WASHER, GUIDE STUD	
	4059575	1	RING, FLEXIBLE RETAINING	
	4053375	1	WASHER, THROTTLE SHAFT SEAL	
	4053375	1	WASHER, SHUT-OFF SHAFT SEAL	
	4055962	1	SEAL, ELEMENT	
	4059134	1	SEAL, REGULATING PISTON	
	4059238	1	SEAL, ADVANCE PISTON RING	
	4027748	12	WASHER, FUEL LINE	
	4055966	1	PLUG, END PLATE PIPE (NYLON)	
	4056350	1	PLUG, END PLATE PIPE (NYLON)	
	4048649	1	SEAL, HEAD LOCATING SCREW	
	4059258	1	SEAL, HEAD BYPASS HOLE PLUG	
	4050914	1	SEAL, HEAD LOCATING SCREW	
9	4061333	*	GASKET KIT, SIMMS PUMP REPLACES 4060746	
	4060388	2	SEAL, OIL	
	4060423	2	WASHER, BRIDGE PLATE LOCATING SCREW	
	4060447	1	WASHER, SHUT-OFF SHAFT	
	4060462	1	SHROUD, EXCESS FUEL SHAFT	
	4060482	1	GASKET, GOVERNOR COVER	
	4060493	2	WASHER, PLUG	
	4061312	6	WASHER, DISCHARGE FITTING	
	4060546	1	O-RING, INSPECTION COVER	
	4061321	1	GASKET, SUPPLY PUMP	
	4060559	1	O-RING, FULCRUM PIN	
	4060611	6	O-RING, DELIVERY VALVE	
	4060567	4	O-RING, SCREW CONTROL/SHUT-OFF SHAFT	
	4060578	1	O-RING, SHUT-OFF SHAFT	
	4023742	1	WASHER, FELT, SRS LEVER	
	4060556	1	WASHER, PLUG	
	4060392	1	WASHER, PIVOT PIN	
	4061301	1	WASHER, HYD RETARD DEVICE	
	4061303	1	O-RING, COVER HYD RETARD DEVICE	
	4061306	1	GASKET, PIVOT PIN	
	4060488	14	WASHER, SEALING	
10	4029401	*	REPAIR KIT, FCR WATER PUMP 4029317	
	4029319	1	BEARING & SHAFT ASY	
	4025710	1	SEAL ASY	
	4029320	1	FACE ASY., SEAL	
	0923971	1	O-RING	
	4029321	1	IMPELLER	
11	4035204	*	REPAIR KIT, FCR WATER PUMP 4035145	
	4029319	1	BEARING & SHAFT ASY	
	4025710	1	SEAL ASY	
	4029320	1	FACE ASY., SEAL	
	4035147	1	IMPELLER	
	0923971	1	O-RING	
12	4035000	*	WATER PUMP KIT	
	4029488	1	PUMP, WATER	
	4025106	1	GASKET	
	4026887	1	GASKET	
	0923684	1	O-RING	
	0923664	2	O-RING	
13	4035002	*	WATER PUMP KIT	
	4029490	1	PUMP, WATER	
	4025106	1	GASKET	
	4026887	1	GASKET	
	0923684	1	O-RING	
	0923664	2	O-RING	

GASKET KITS & PACKAGED PARTS (CONTINUED)

ITEM	PART NUMBER	QTY.	DESCRIPTION	PACKAGE NO.
14	4035005	*	WATER PUMP KIT	
	4025106	1	GASKET	
	4016887	1	GASKET	
	0923684	1	O-RING	
	0923664	2	O-RING	
15	4035203	*	WATER PUMP KIT	
	4035145	1	PUMP, WATER	
	4025106	1	GASKET	
	4026887	1	GASKET	
	0923684	1	O-RING	
	0923664	2	O-RING	

NOTE: METHOD OF SUPPLY CHANGES  
PISTONS, CYLINDER SLEEVES, SLOW-MOVING PISTON AND SLEEVE KITS

In addition to piston and sleeve kits, it has also been customary to supply their component pistons and cylinder sleeves as individual items. Reworking of our inventory is in process that will change the method of component supply to:

- A piston kit which includes one (1) each piston, piston pin, piston ring set, two (2) piston pin retainers and necessary instruction sheets.
- A sleeve kit which includes one (1) cylinder sleeve and the necessary sleeve packing rings and instruction sheets.

Individual pistons and sleeves as such will be superseded by their respective kits as stock rework occurs. In the interim please continue to order individual component pistons and sleeves as in the past. Commence ordering the new kits as you are made aware of supersessions through MNI supplements or order change by the Central Parts Operation. We will continue to supply on a piece part basis piston pins, piston ring sets, piston pin retainers and cylinder sleeve o-rings.

Also, where sales movement justifies, the combination piston and sleeve kit is still available. Slow-moving piston and sleeve kits will be superseded through MNI supplement by the appropriate piston kit and sleeve kit.

This new concept provides a number of benefits, some of which are:

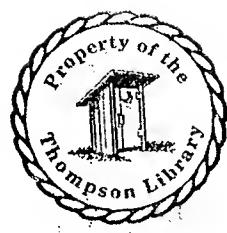
- Less Order Picking Time
- Inventory Flexibility
- Customer Convenience

GASKET KITS & PACKAGE PARTS (CONTINUED)

ITEM	PART NUMBER	QTY	DESCRIPTION	PACKAGE NO
16	4061451	*	BEARING KIT, CONN ROD, STD.	
	4025030	12	BEARING	
17	4061452	*	BEARING KIT, CONN ROD, .002	
	4025253	12	BEARING, .002	
18	4061453	*	BEARING KIT, CONN ROD, .010	
	4025254	12	BEARING, .010	
19	4061454	*	BEARING KIT, CONN ROD, .020	
	4025255	12	BEARING, .020	
20	4061455	*	BEARING KIT, CONN ROD, .040	
	4025257	12	BEARING, .040	
21	4061456	*	BEARING KIT, MAIN, STD.	
	4028020	5	BEARING, FRT & INTERMEDIATE UPPER, STD	
	4025007	5	BEARING, FRT & INTERMEDIATE LOWER, STD	
	4028021	2	BEARING, CENTER & REAR UPPER, STD	
	4025009	2	BEARING, CENTER & REAR LOWER, STD	
22	4061457	*	BEARING KIT, MAIN, .010	
	4028040	5	BEARING, FRT & INTERMED. UPPER, .010	
	4025267	5	BEARING, FRT & INTERMED. LOWER, .010	
	4028045	2	BEARING, CENTER & REAR UPPER, .010	
	4025277	2	BEARING, CENTER & REAR LOWER, .010	
23	4061458	*	BEARING KIT, MAIN, .020	
	4028041	5	BEARING, FRT & INTERMED. UPPER, .020	
	4025268	5	BEARING, FRCNT & INTERMED. LOWER, .020	
	4028046	2	BEARING, CENTER & REAR UPPER, .020	
	4025278	2	BEARING, CENTER & REAR LOWER, .020	
24	4061459	*	BEARING KIT, MAIN, .040	
	4028043	5	BEARING, FRT & INTERMED. UPPER, .040	
	4025270	5	BEARING, FRT & INTERMED. LOWER, .040	
	4028048	2	BEARING, CENTER & REAR UPPER, .040	
	4025280	2	BEARING, CENTER & REAR LOWER, .040	
25	4061447	*	THRUST FLANGE KIT, CTR MAIN, STD	
	4025010	2	FLANGE, THRLST UPPER, STD	
	4025011	2	FLANGE, THRUST LOWER, STD	
	4251746	4	PIN, GROOVE	
26	4061448	*	THRUST FLANGE KIT, CTR MAIN, .005	
	4025263	2	FLANGE, THRLST UPPER, .005	
	4025260	2	FLANGE, THRUST LOWER, .005	
	4251746	4	PIN, GROOVE	
27	4061449	*	THRUST FLANGE KIT, CTR MAIN, .010	
	4025264	2	FLANGE, THRLST UPPER, .010	
	4025261	2	FLANGE, THRUST LOWER, .010	
	4251746	4	PIN, GROOVE	
28	4061450	*	THRUST FLANGE KIT, CTR MAIN, .015	
	4025265	2	FLANGE, THRLST UPPER, .015	
	4025262	2	FLANGE, THRUST LOWER, .015	
	4251746	4	PIN, GROOVE	
29	4035001	*	WATER PUMP KIT	
	4029489	1	WATER PUMP	
	4026887	1	GASKET	
	4025106	1	GASKET	
	0923684	1	O RING	
	0923664	2	O RING	

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0160150	72	0904205	58	0910287	27	0912201	69	0916255	69
0160150	72	0904205	58	0910287	30	0912298	48	0916269	2
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0063890	66	0904205	60	0910287	32	0912415	2	0916269	27
0063891	66	0904205	61	0910287	33	0912415	2	0916269	32
0076668	65	0904205	63	0910287	37	0912483	45	0916271	10
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**ENGINE CATALOG NUMBER**

**ENGINE SERIAL NUMBER**

**A-C ORDER NUMBER**

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G-262 .....	TPL-512-B .....	TM-5016-A
D-175 .....	TPL-489-C .....	TM-5018-A
D-262 .....	TPL-454-E .....	TM-5018-A
2800 & 2900 MK II .....	TPL-4111-2 .....	TM-5067-2
3500 MK II .....	TPL-4108-2 .....	TM-5071-2
11000 .....	TPL-4112-2 .....	TM-5070-2
16000 H, 16000 MKII, 17000 MKII .....	TPL-4110-2 .....	TM-5069-2
21000 MKII, 25000 MKII .....	TPL-4109-A .....	TM-5064-A
<b>Diesel Electric Systems</b>		
NOTE: Diesel Electric Systems operating and maintenance (TM) manuals (-3) include a TM-5063, main alternator and voltage regulator manual.		
DES-90 .....	TPL-4108-3 .....	**TM-5071-3
DES-125 .....	TPL-4112-3 .....	**TM-5070-3
DES-175/200/220/250 .....	TPL-4110-3 .....	**TM-5069-3
DES-500/550 .....	TPL-4109 .....	**TM-5064-A
DES-Service Handbook .....		*
<b>Marine Engines</b>		
25000 MKII .....	TPL-4110-4 .....	TM-5001-A
<b>Diesel Generator Drive Units</b>		
D-262 .....	TPL-454-E .....	TM-5018-A
2800 & 2900 MKI .....	TPL-4111-1 .....	TM-5072-1
3500 MKII .....	TPL-4108-1 .....	TM-5071-1
11000 .....	TPL-4112-1 .....	TM-5070-1
16000 H, 16000 MKII, 17000 MKIII .....	TPL-4110-1 .....	TM-5069-1
21000 MKII, 25000 MKII .....	TPL-4109 .....	TM-5064
<b>Service (Overhaul) Manuals</b>		
G-262 (Gasoline and Natural Gas Engines) .....	.....	TM-5003
D-175 & D-262 .....	.....	TM-5049
2800 & 2900 .....	.....	TM-5028
3500 .....	.....	TM-5066
11000 .....	.....	TM-5034
16000 H, 21000 H, & 25000 .....	.....	TM-5006
16000 MKII, 17000 MKII, 21000 MKII, & 25000 MKII .....	.....	TM-*
Service Labor Guide .....	.....	TM-5026
<b>Fuel Systems</b>		
Roosa Master Fuel Injection Pump .....	TPL-4059 .....	TM-5023
Amer. Bosch APE Type Fuel Injection Pump .....	** .....	TM-5035
Robert Bosch Fuel Injection Pump .....	TPL-4097-B .....	TM-5058-A
Simms Fuel Injection Pump .....	TPL-4106 .....	TM-5061
Fuel Injection Nozzle Assemblies .....	*** .....	TM-5055-A
<b>Special Application Manuals</b>		
Turbocharger TO-4 Series (Airesearch) .....	*** .....	TM-5057-A
Turbocharger T-1817, T-1818, T-1819, & T-1852 .....	.....	TM-5074
<b>Engine Service Bulletins</b>		
Historical Bulletins .....	.....	*
Current Bulletins .....	.....	*
Automotive Bulletins .....	.....	*

\*When ordering literature not assigned a number order by description.     \*\*\*Not Available  
\*\*Includes: Operating & Maintenance of Voltage Regulator & Main Alternators

**NOTE: When manuals are required for units not listed above, refer to Technical Publications Index, TM-5056.**

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The information contained herein is general in nature and is not intended for specific application purposes. Allis-Chalmers reserves the right to make changes in specifications shown herein, add improvements, or discontinue manufacture at any time without notice or obligation.

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